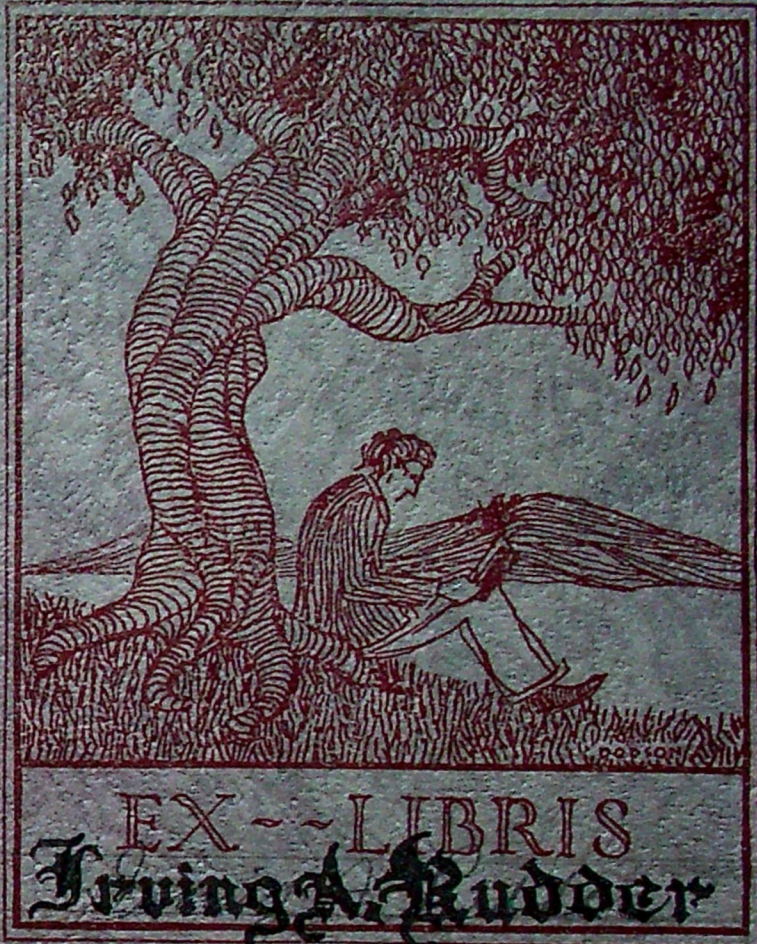


The
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1928



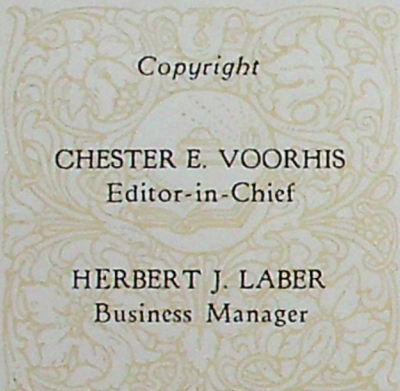
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Editor-in-Chief

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Business Manager



*“Whatsoever
Things
are
True.”*

The
1928 CABLE
acknowledges

THE AID rendered by Mr. Alexander Johnson, Ex Post
Facto,'28

The expended effort of Miss Bessie Tordy and the Messrs.
Lynch, McDermott and Campbell in preparing material
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The technical aid of The Read-Taylor Co., Baltimore.

The cooperation of the Arthur Studios.

The perseverance of Mr. Miller in organizing the aid of the
Architectural School.

The
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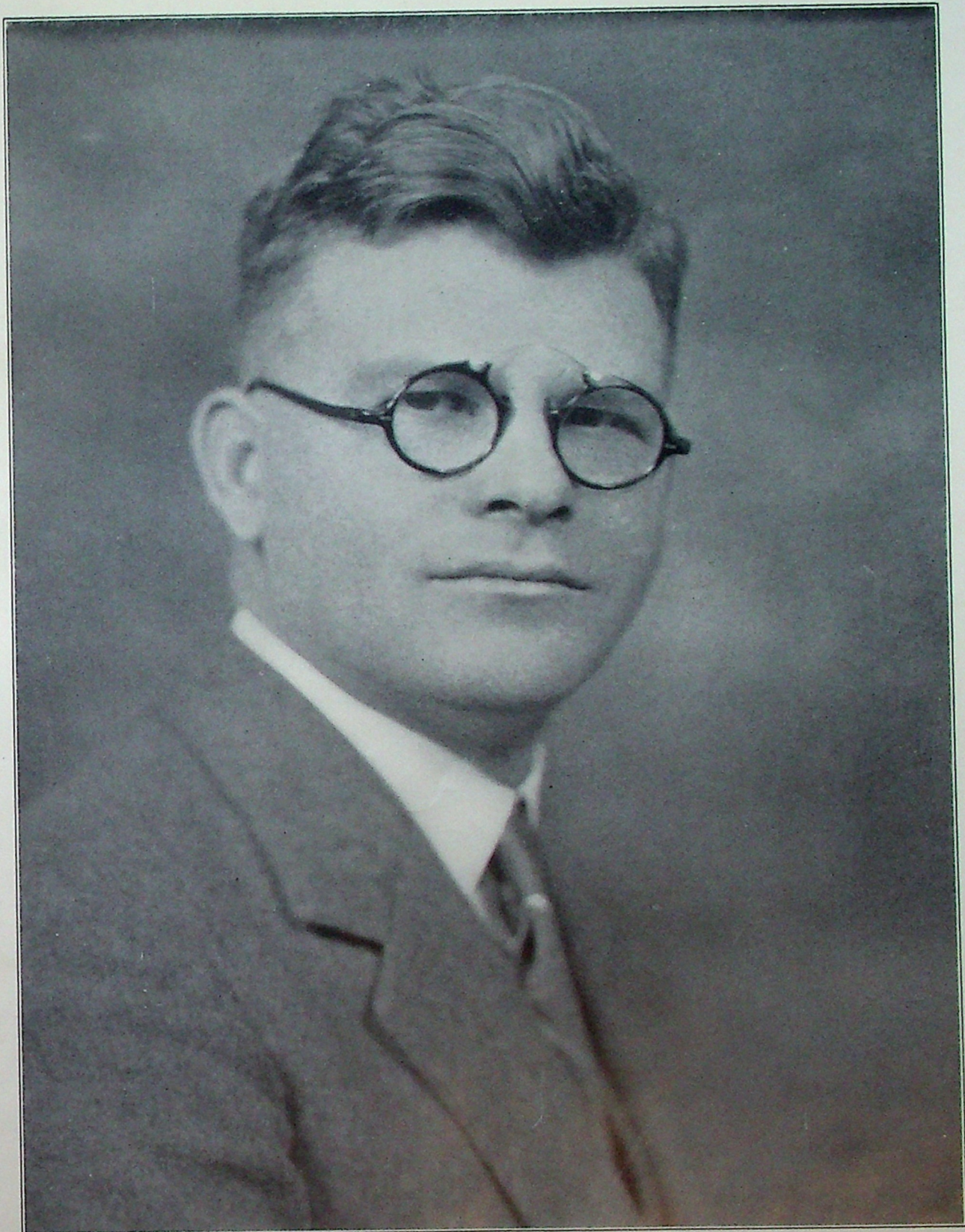
1928

*The Year Book of
Cooper Union*

Published by
THE CLASS OF 1929

WHEN youth has become but a pleasant memory dimmed
by the mellowing influence of time, these pages will serve
to recall thoughts of the happy hours and friendships
so intimately associated with our life at Cooper
Union. And foremost among these remi-
niscences will stand forth the unselfish
spirit and invaluable instruction
of our beloved professor,

RAY C. BRUMFIELD
*to whom
we, the Class of 1929,
most heartfully and gratefully
Dedicate
This, the 1928 Cable*



Professor
Ray C. Brumfield



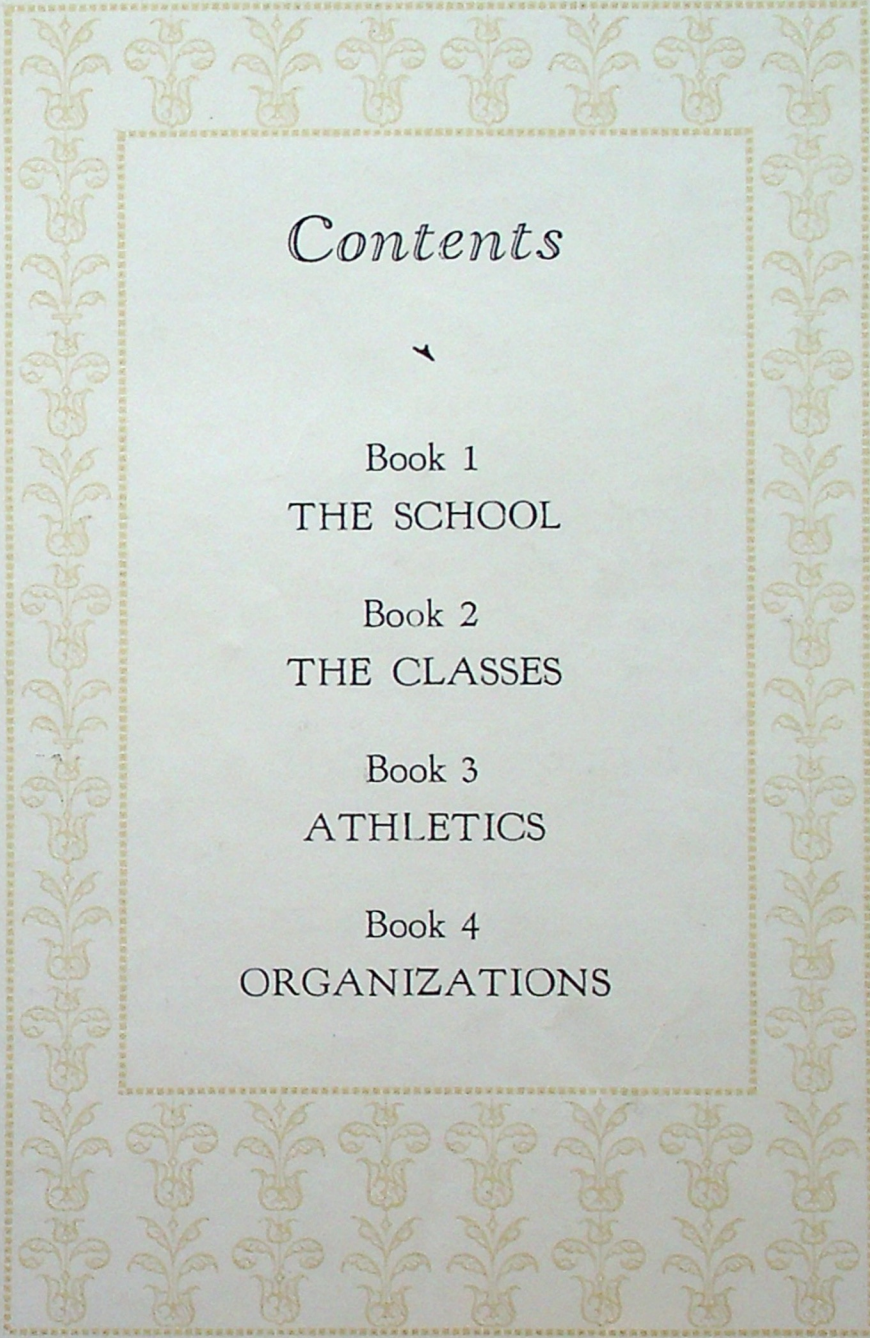
IIOW these pages have been placed in sequence is made manifest in the reading of them. All needless matters have been eliminated, so that a History of the past year may stand forth as simple fact.

There is throughout no statement of past occurrences wherein memory may err, for all the records contained within are exactly contemporary, given from the standpoints and within the range of knowledge of those who made them.

That the 1928 CABLE may be the pride of the Senior Class and the ambition of the underclassmen is the fervent desire of

THE JUNIORS





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The
School

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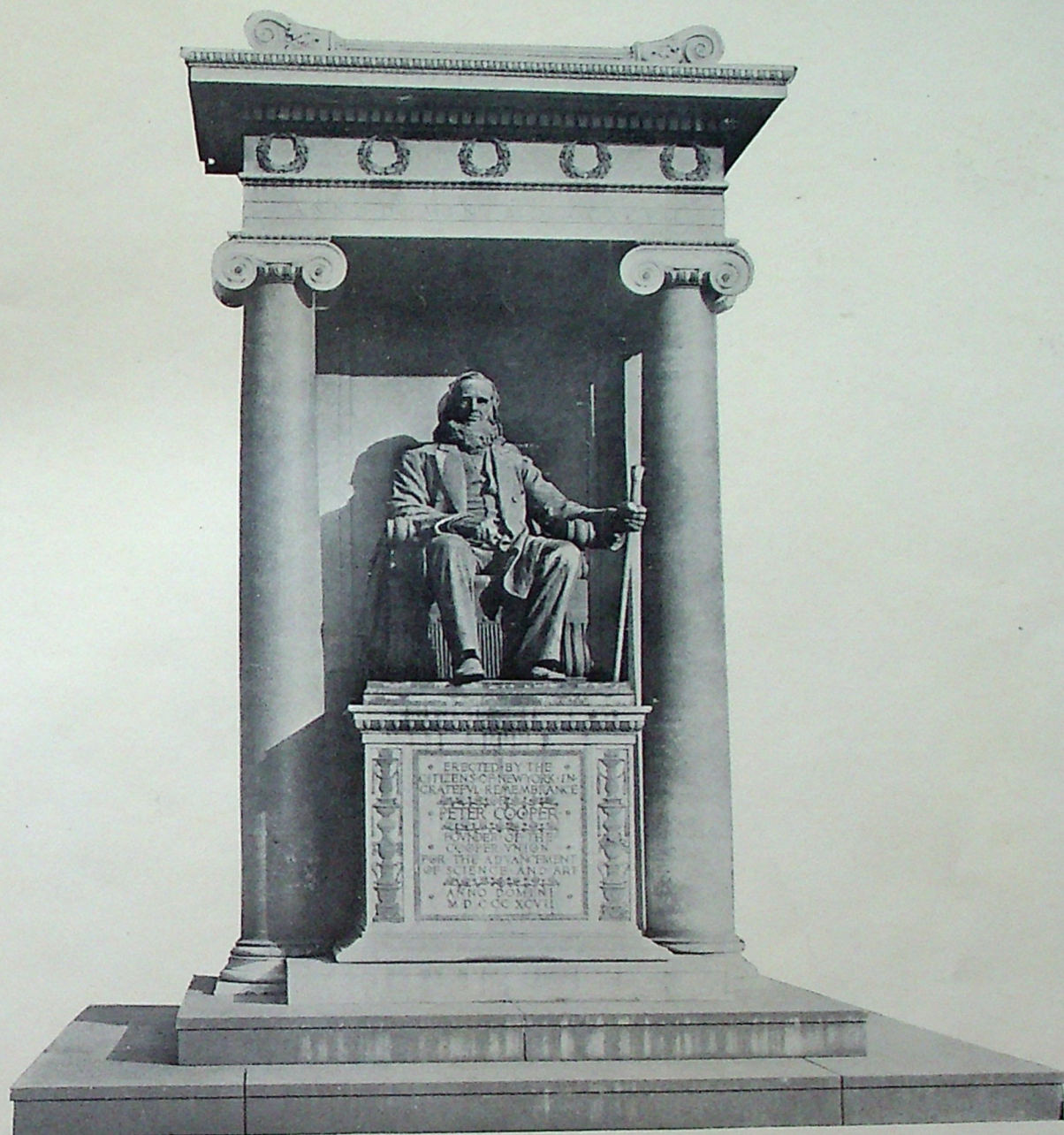
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Artists



The School



*Erected by the citizens of New York in grateful
remembrance of PETER COOPER.*

Born February 12, 1791.

Died April 3rd, 1883.



*Foundation Building
From Astor Place*



Hewitt Memorial Building
Scientific Laboratories

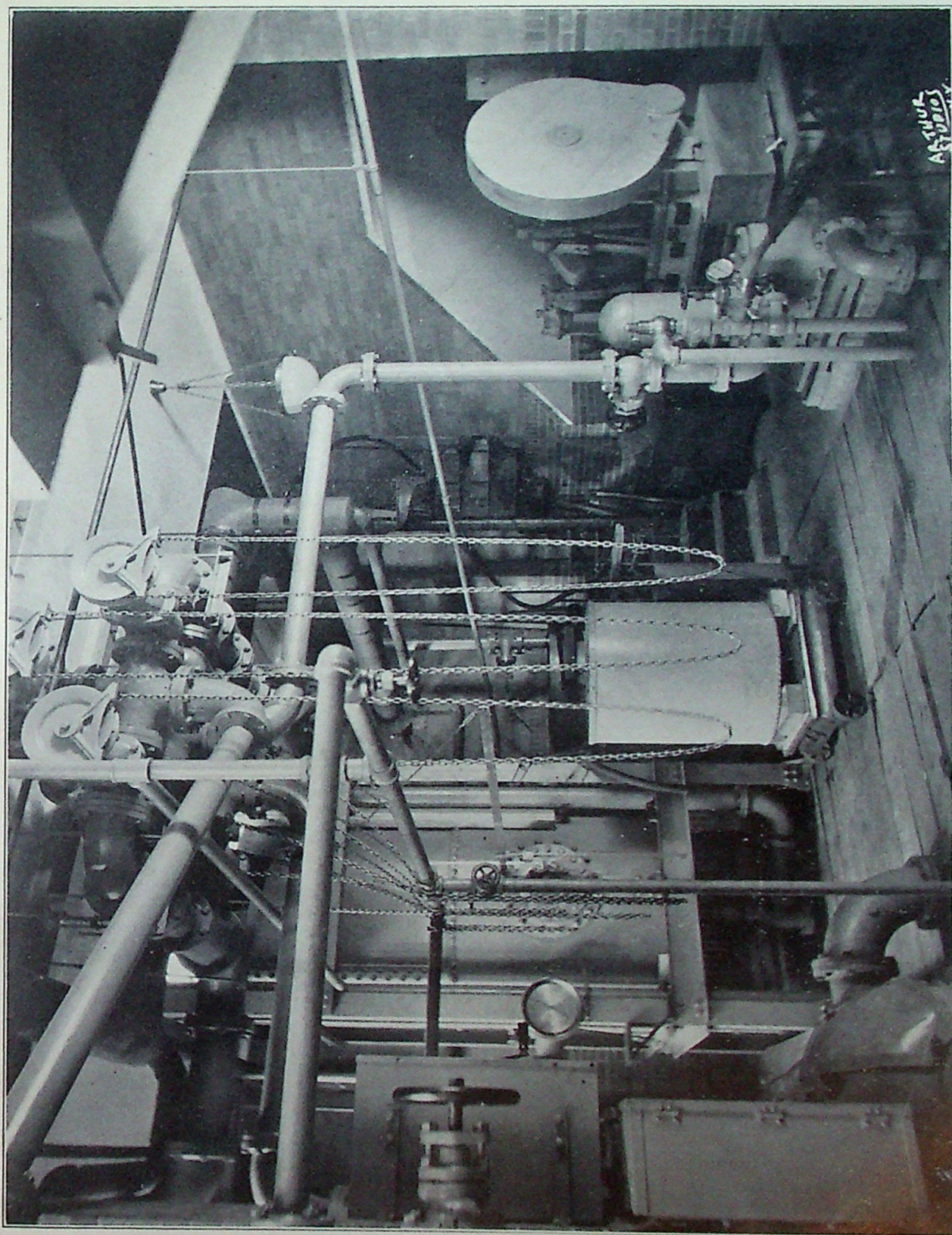
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Steen
559-75-2*

NINETEEN HUNDRED and TWENTY EIGHT



*The Foundation Building
From Cooper Square*

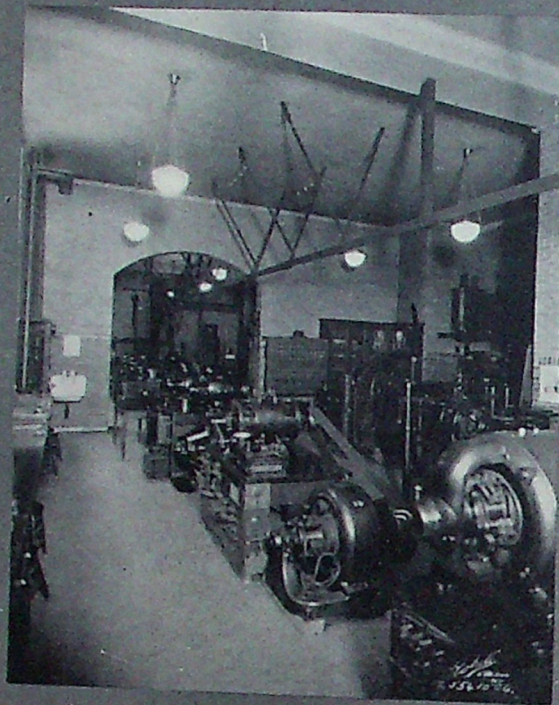
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Hydraulics Laboratory



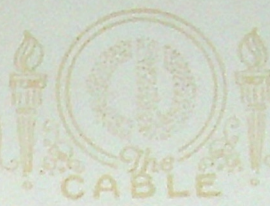
ELECTRICAL MACHINERY
LAB.



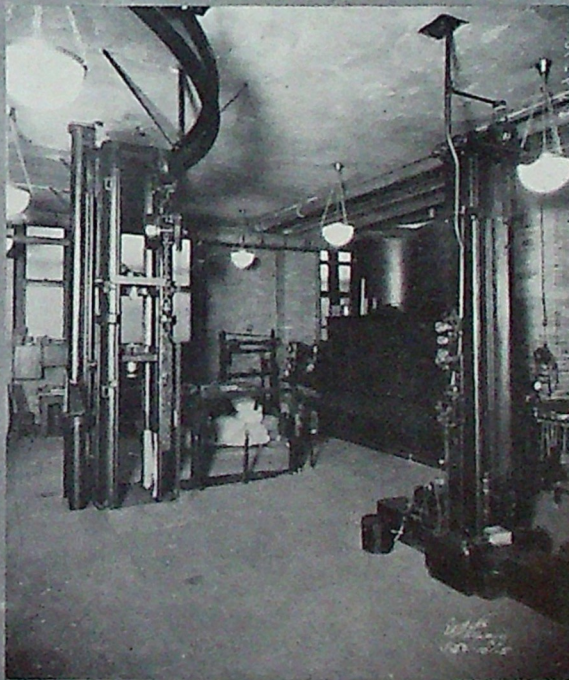
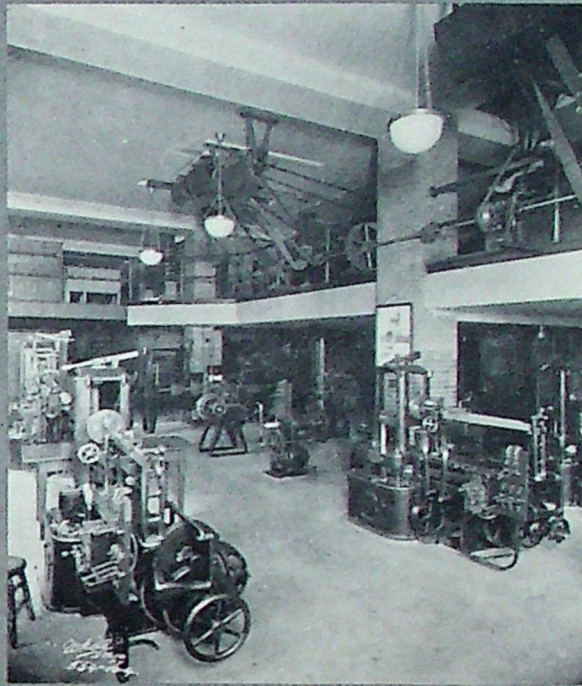
PHYSICS
LAB.

Scientific Labs

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MACHINE SHOP



MATERIALS TESTING
LAB.

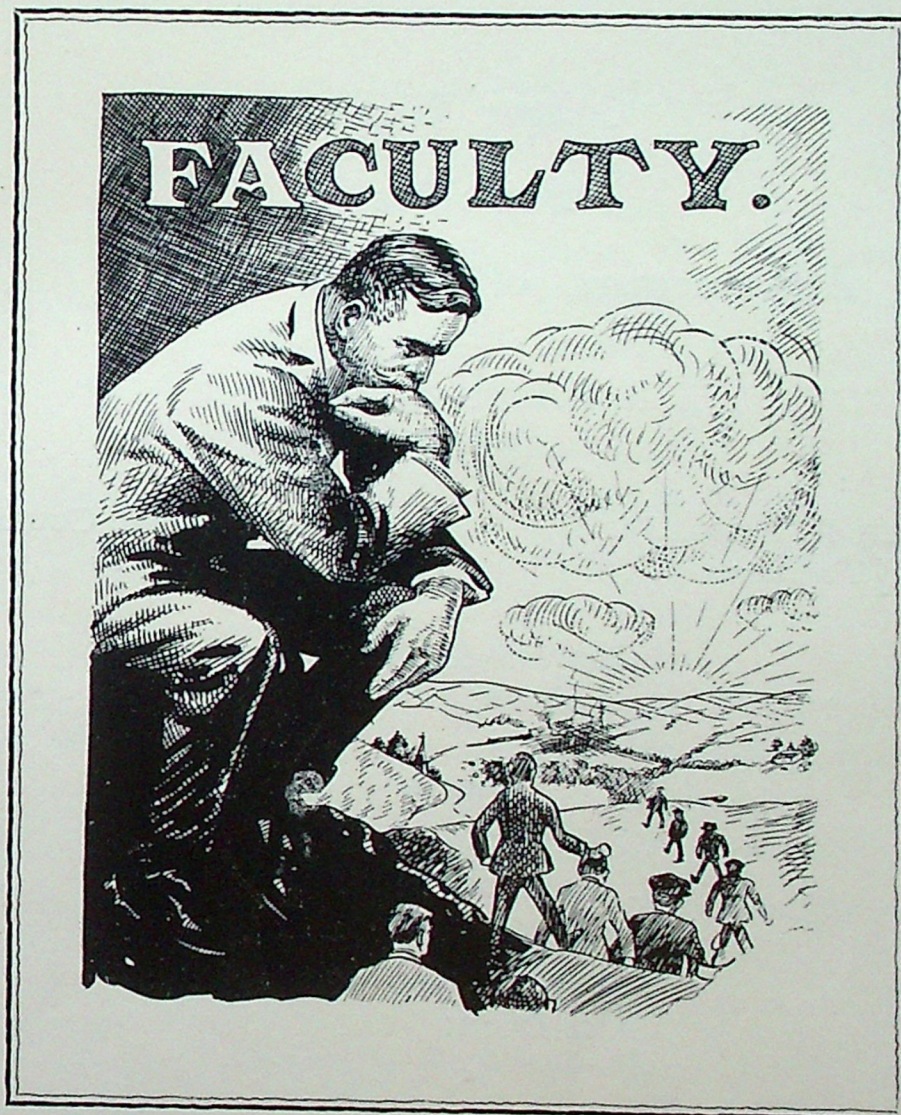
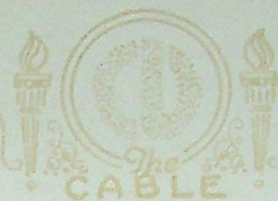
Scientific Labs

NINETEEN HUNDRED and TWENTY EIGHT



PETER COOPER
*Founder of the Cooper Union
for the advancement of
Science and Art*

NINETEEN HUNDRED and TWENTY EIGHT



NINETEEN HUNDRED and TWENTY EIGHT



Cooper Union
For The
Advancement of Science and Art

R. FULTON CUTTING
President

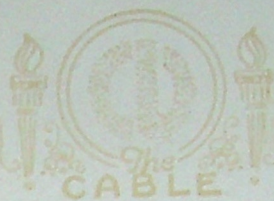
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PROF. C. ROSSMASSLER

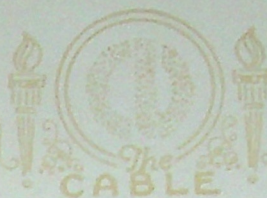
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PROF. K. HAUPTMAN

PROF. W. J. PICKETT
PROF. N. L. TOWLE



NINETEEN HUNDRED and TWENTY EIGHT



FRANCIS M. HARTMANN

*Dean of the Schools of Engineering
and Professor of Electrical Engineering*

B.S. (Five Year Course in General Science), Cooper Union, 1895; graduate (Course in Chemistry), Cooper Union, 1898; post-graduate work in physics under Professor Anthony, 1898-99; E. E., Cooper Union, 1903; post-graduate work in mathematics, New York University, 1902-1903.

Fellow: American Institute of Electrical Engineers; American Association for the Advancement of Science. Member: American Society of Mechanical Engineers; American Physical Society; American Mathematical Society; Society for the Promotion of Engineering Education.

Engineering Department, Public Improvements, N. Y. C., 1894-1901; consulting work on Power, 1904, and on Transformer Iron, 1907.

Author: Elementary Mechanics; Heat and Thermodynamics; Alternating Currents and Electrical Transmission; Contributions to Electrical Review; Biographical Sketch of George W. Plympton.

Appointed:

Instructor of Physics, Cooper Union Night School in 1899.

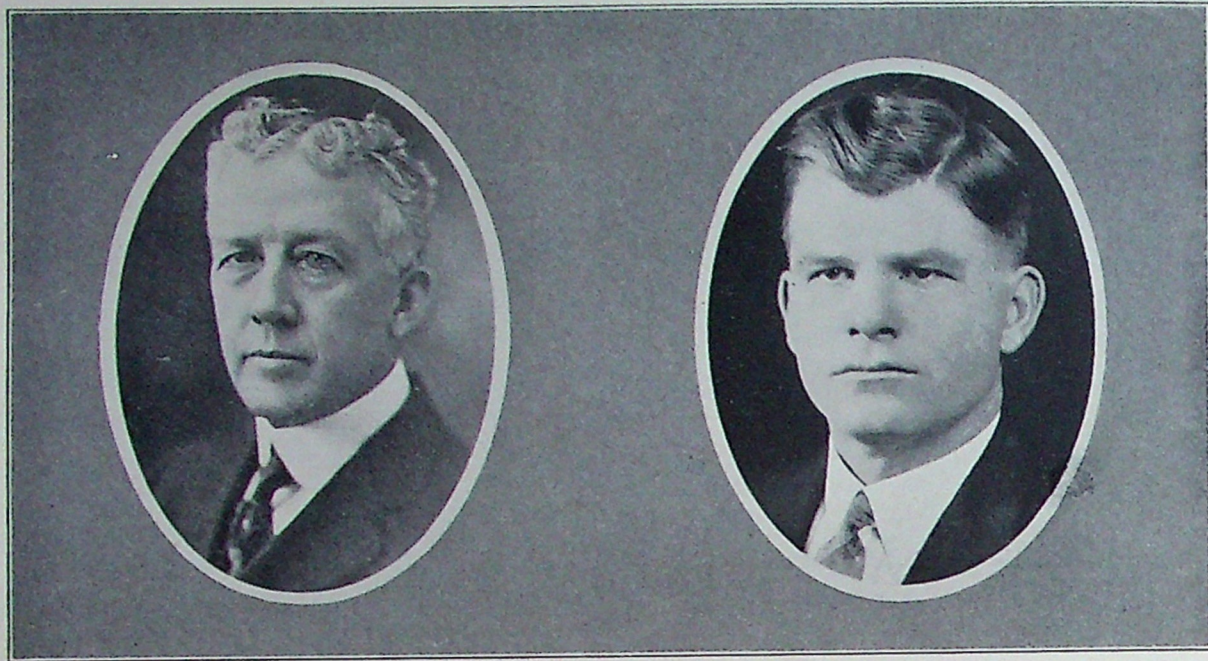
Instructor of Physics and Electrical Engineering in Day and Night Schools in 1901.

Assistant Professor of Physics and Electrical Engineering in 1905.

Professor of Physics and Electrical Engineering in 1906.

In charge of the combined departments of Electrical and Mechanical Engineering from 1907 to 1925.

October, 1921, Dean of the Schools of Engineering.



DEPARTMENT OF CIVIL ENGINEERING

Professor

FREDERICK E. FOSS, A.M., Sc.D.

Phi Beta Kappa; A.B., Bates College, 1883; A.M., Bates College, 1886; B.S., Massachusetts Institute of Technology, 1886; Sc.D., Bates College, 1908; member of American Society of Civil Engineers, American Railway Engineering Association, American Society for Testing Materials, Society for the Promotion of Engineering Education.

Assistant Professor

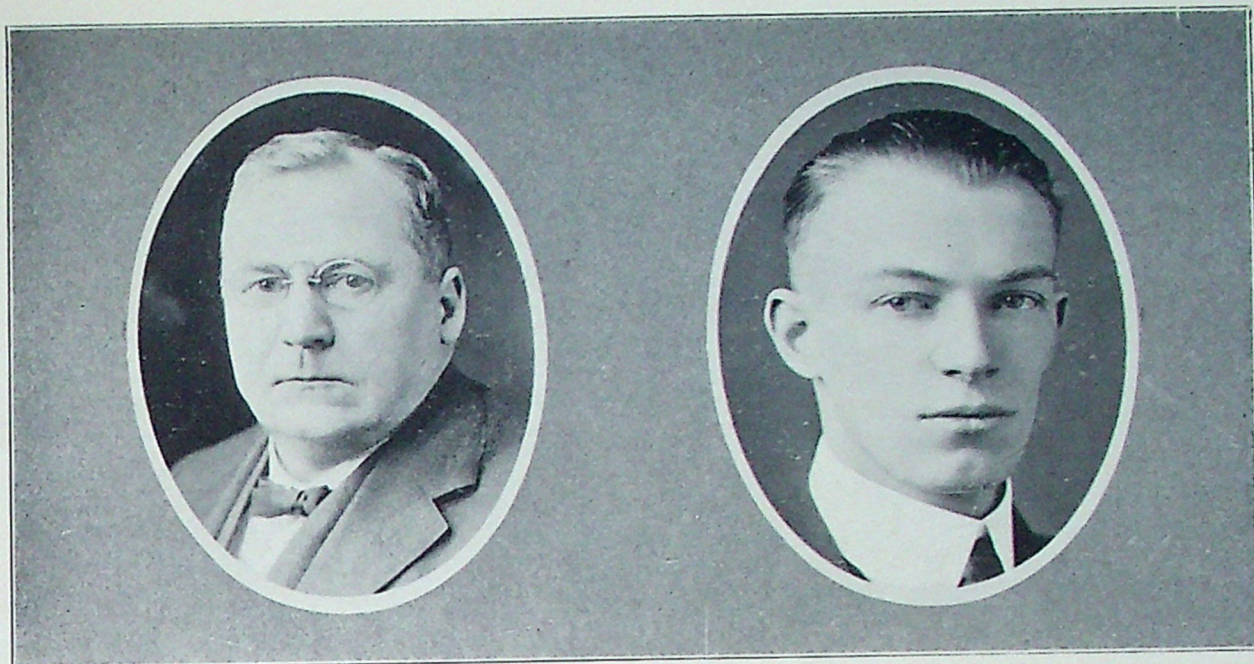
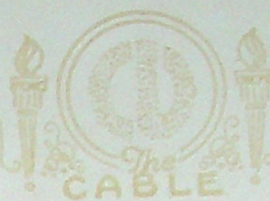
RAY C. BRUMFIELD B.S.

Tau Beta Pi; B.S., Purdue University, 1912; member of American Society for Testing Materials, American Society for Steel Treating, Committee on Hardness Testing.

Instructors

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GILBERT MORRISON, B.S., C.E.
A. W. DOLL, B.S., M.E.

J. P. WILLIAMS, B.S., M.S., C.E.
WILLIAM E. BROWN, B.S.
M. H. VAN BUREN, B.S., C.E.



DEPARTMENT OF ELECTRICAL ENGINEERING

Professor

FRANCIS M. HARTMAN, B.S., E.E.

B.S. (Scientific Course), Cooper Union, 1895; graduate (Chemistry) Cooper Union, 1898; E.E., Cooper Union, 1903.

Assistant Professor

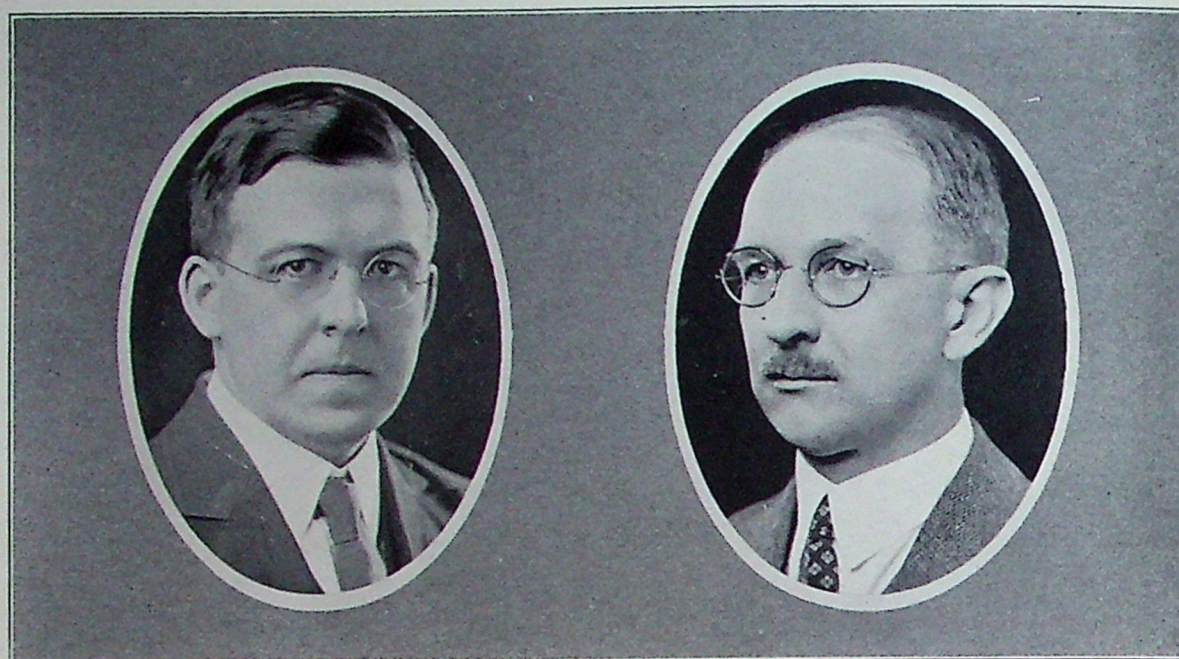
NORMAN L. TOWLE, B.S., E.E.

Tau Beta Pi; Sigma Xi; Sigma Alpha Epsilon; B.S. in Electrical Engineering, 1917; E.E., 1920, Worcester Polytechnic Institute; Graduate study and research, Westinghouse Electric and Mfg. Co., 1917-1918; Engineer, Westinghouse Electric and Mfg. Co., 1918-1919; Iowa State College, 1919-1920; in charge of Electrical laboratories, Cooper Union; member: American Institute of Electrical Engineers, Society for the Promotion of Engineering Education.

Instructors

ALBERT GOERTZ, B.S., C.E.
HENRY SCHERIL, B.S., E.E.
H. C. KOENIG, B.S., E.E.

H. T. WILHELM, B.S.
GEORGE QUINN, E.E.
C. G. KRUEGER, B. S.



DEPARTMENT OF MECHANICAL ENGINEERING

Professor

GEORGE F. BATEMAN, B.E., M.E.

B.E., Cooper Union Day School of Technical Science, 1907 Fellow, American Association for the Advancement of Science. Member, American Society of Mechanical Engineers, Society for Promotion of Engineering Education, New York City Health Commissioner's Advisory Committee on Smoke Abatement, American Engineering Standards Committee (Sectional Committee on Symbols and Abbreviations), S.P.E.E. Committee on Coordination of Facilities in Engineering Education in Metropolitan District.

Instructors

HERBERT F. ROEMMELE, B.S.
THOMAS C. O'BRIEN, Ph. B., M.E.
W. O. ENTENMANN, B.S., M.E.

OLAF G. GERDIN, B.S.
HENRY C. OTTEN, B.S., E.E.
C. F. PIHLBLAD, Mechanician
GUSTAVE FURST, Lab. Asst.

DEPARTMENT OF MACHINE DESIGN

Professor

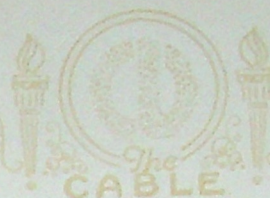
CARL ROSSMASSLER, B.S.

B.S., Massachusetts Institute of Technology, 1901; member American Society of Mechanical Engineers, Society of Automotive Engineers, Engineers Club of Philadelphia.

Instructors

OTTO G. PULLER, B.S.
C. H. YOUNG

JOHN W. LANGGUTH, B.S.
A. E. LOBECK, B.S.



DEPARTMENT OF CHEMISTRY

Professor

HORACE G. BYERS, A.M., Ph.D.

Phi Lambda Upsilon; Alpha Chi Sigma; Sigma Xi; A.B., B.S., Westminster College, 1895; A.M., Westminster College, 1898; Ph.D., Johns Hopkins University, 1899; LL.D., Westminster College, 1926; fellow: American Association for the Advancement of Science; American Institute of Chemists; Member: American Chemical Society; Captain Chemical Warfare Service; Lieut-Col. U.S.R. Chemical Warfare Series.

Assistant Professor

HENRY C. ENDERS, A.M., Ch.E.

B.C., Cooper Union, 1906; A.M., Columbia University, 1920; Ch.E., Cooper Union, 1922; Past President of Cooper Union Chemical Society; Past President of Cooper Union Alumni Association; member American Chemical Society, Chemists' Club; fellow: American Association for the Advancement of Science; American Geographical Society.

Instructors

CHRISTIAN WEAVER, B.C.

JAMES COULL, B.Sc.

WALTER BROWN, B.S., B.C.

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HENRY J. GOLLE, Lab. Asst.

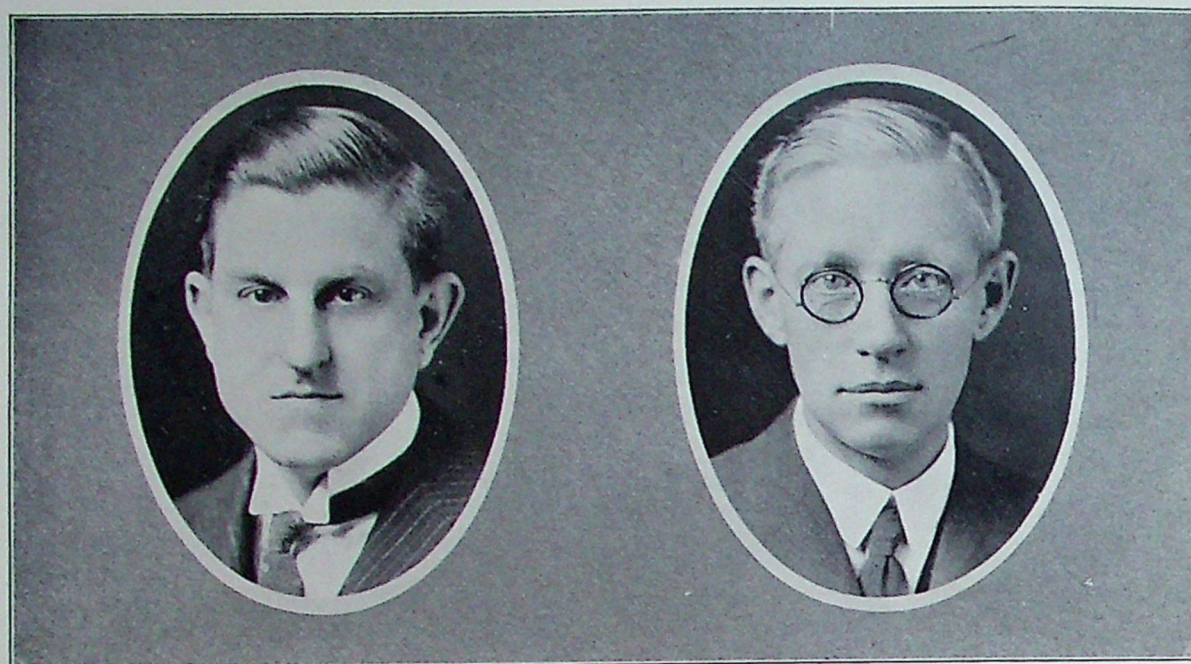
FRANCIS P. CAREY, B.S.

HENRY B. HOPE, Ch.E.

HARVEY HUGG, B.S.

EDWARD CANNON, Chem. Asst.

NICHOLAS FALLENBERG, Lab. Asst.



DEPARTMENT OF MATHEMATICS

Professor

H. W. REDDICK, A.M., Ph.D.

Phi Kappa Psi, Sigma Xi; A.B., Indiana University, 1904; A.M., University of Illinois, 1906; Ph.D., Columbia University, 1910; Member American Mathematical Society, Mathematical Association of America.

Assistant Professor

WILLIAM J. PICKETT, B.S.

B.S., Teachers College, Columbia University, 1909; member of Mathematical Association of America.

Instructors

PATRICK QUILTY, B.S., C.E.

E. G. TAPLIN, B.S., A.M.

S. B. SHERIDAN, B.E.

JOSEPH J. TANZOLA, A.B., A.M.

FREDERIC H. MILLER, B.S., M.S.

DONALD C. MACLEAN, A.B.

JOHN R. GARDNER, B.S., E.E.

EDWARD J. LARKIN, B.S.

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B. LEVINE, B.S., A.M.

CHARLES H. LEHMANN, B.S., M.E.

English

M. HELENA ZACHOS

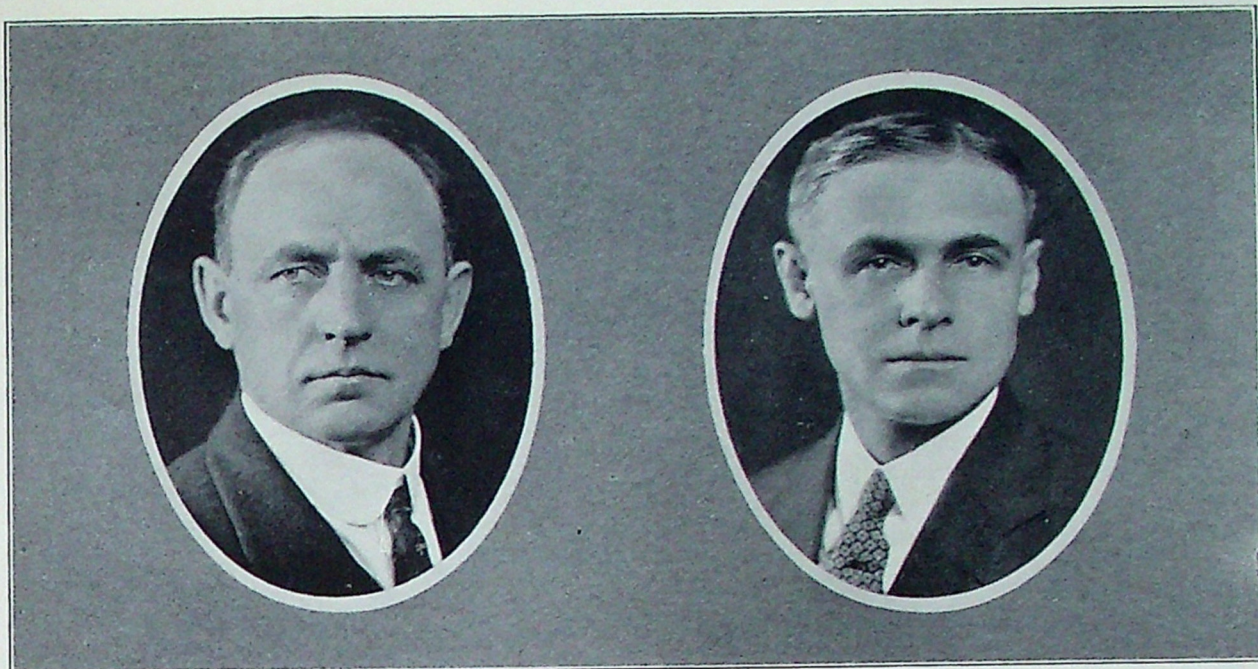
Economics

E. J. ALLEN, B.A., M.A.

Psychology

CARL C. BRIGHAM, Ph.D.

DONALD SNEDDEN, A.M.



DEPARTMENT OF PHYSICS

Professor

ALBERT BALL, A.B.

Sigma Xi; A.B., Cornell University, 1901; member American Association for the Advancement of Science; Society for the Promotion of Engineering Education; member American Physical Society; associate member, American Institute of Electrical Engineers; in charge of Department of and Professor of Physics in 1912.

Assistant Professor

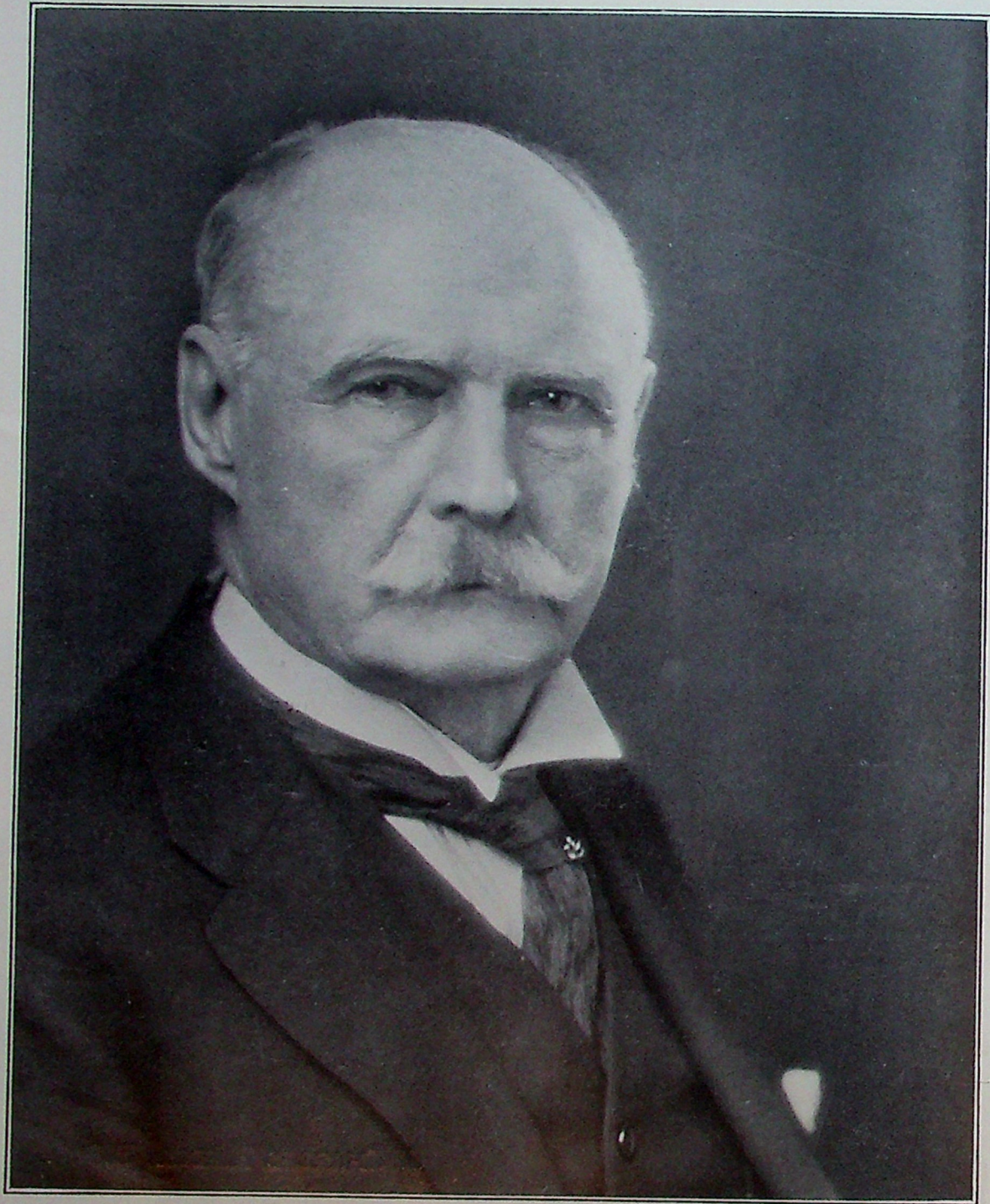
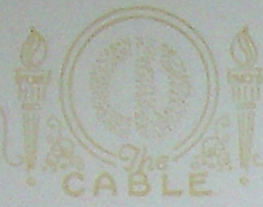
KARL HAUPTMAN, B.S.

1903—Graduated Cooper Union Day School of Technical Science with first graduating class of the Day School; B.S., Cooper Union Night School of General Science, 1903; Engineering Department of New York Telephone Co., 1903-1904; Instructor Physics and Electric Measurements, Cooper Union Night School, 1904; Instructor in Physics, Cooper Union Day School of Technical Science, 1905; Assistant Professor of Physics, Cooper Union, 1924.

Instructors

HAROLD MERRITT, B.S.
WILLIAM H. SPAHN, B.S., E.E.
WILLIAM E. BOSSERT, B.S.
O. GERDIN, B.S.
HERMAN STEMPEL, B.S.
SAMUEL MATHEWS, Mechanician

J. CHARLES RIEDEL, B.S., C.E.
RICHARD F. DEIMEL, B.S., A.M.
R. W. BURNS, A. B., B.S.
R. A. FARALLA, B.A.
JOHN L. BOSSERT, B.S.
A. J. LAFONTAINE, Lab. Asst.



NINETEEN HUNDRED and TWENTY EIGHT



FREDERICK DIELMAN, N. A.

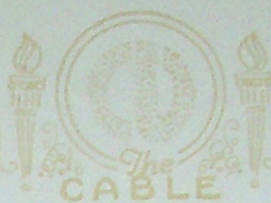
Art Director

Night Art School

Phi Beta Kappa; graduate of Calvert College, Maryland; studied in the Royal Academy and Polytechnic Institute, Munich; served for six years in U. S. Engineers' office; head of Department of Art, College of City of New York, '02-'17; president National Academy of Design, '77-'09, National Academician, '83; member Art Commission of New York City, '01-'04; Honorary Fellow for Life, Metropolitan Museum of Art; Honorary Member Institute of Architects, '09; member: National Institute of Arts and Letters.



NINETEEN HUNDRED and TWENTY EIGHT



FACULTY

School of Art

FREDERICK DIELMAN, N. A.
Art Director and Chairman

EDWARD A. MILLER, B.S., C.E.
Architecture

B.S., Cooper Union, 1874; C.E., Cooper Union, 1914; Chief Engineer of Park Department, New York City, 1898-1920; Member American Institute of Park Executives, Municipal Engineer of the City of New York, General Science Alumni, Alumni Federation, Pleiades, Verdi Club.

GEORGE T. BREWSTER
Sculpture

Preliminary Art Training, Mass. State Normal Art School; Student Ecole Des Beaux Arts. Work as sculptor dates from 1884. Founder modeling class. Art Students' League, 1886. Instructor, Art Department, Cooper Union, since 1900. Sculptures include: Statue of "Indiana," Indianapolis; Statue of "Hope," State House, Providence; "Defense of the Flag," in bronze, Athens, Pa.; "University Club Seal," entrance University Club, N. Y. C.; "Fountain of Nature," Pan-American Exposition; Eleven of Portraits of the Old Masters; Art Museum Exterior, St. Louis; Portrait, Relief, Prof. Anthony, Cooper Union, N. Y., etc.

HENRY A. GOLDSMITH
Furniture Design

Graduate of Ohio Institute, Cincinnati Art Academy and Cooper Union, N. Y. Studied extensively in Europe, and for twenty-five years Designer of Interior Decorations.

FREDERIC EHRLICH
Commercial Design

Student, Cooper Union; studied under C. S. Reinhardt, Walter Appleton Clark; Art Students' League, National Academy of Design, Teachers' College, Advisory Council Roscoe School of Art and Design.

WILLIAM D. DODGE
Compositon

Studied in Paris and Munich; Student Ecole des Beaux Arts. Medalist: Concours d'Atelier; Cours Yvoni; Paris Salon, 1888; Chicago Exhibition, 1893. Works: Dome Adm. Bldg., Chicago, Expn.; N. W. Pavilion, Library of Congress; Empire Thea., N. Y.; Hall of Records, N. Y. C.; Acad. of Music, Brooklyn, N. Y.; Cafe de l'Opera; Folies Bergere Thea., Paris; Tower of Jewels, Pan-Pacific Ind. Exp.; "Fore de Vaux," Verdun, 1918; "Signing of Peace," Versailles, 1919; Teachers' College, Iowa; Mothers Hq., Rice Mem., N. Y.; Flag Room, State Capitol, N. Y.; Director of Color, Sesqui-Centennial Exp., Phila., 1926, etc.

WILLIAM B. STARKWEATHER
Antique

ETHEL TRAPHAGEN
Fashion Design

Graduate of National Academy of Design, Art Students' League, Chase School and Cooper Union, Director Traphagen Cooperative School of Fashion. Staff, "Ladies' Home Journal" and Dress Magazine.



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GAETANO CECERE

Life Class

C. CIAMPAGLIA

Sculpture

GEORGE T. BREWSTER

Antique Class (Advanced)

WILLIAM B. STARKWEATHER

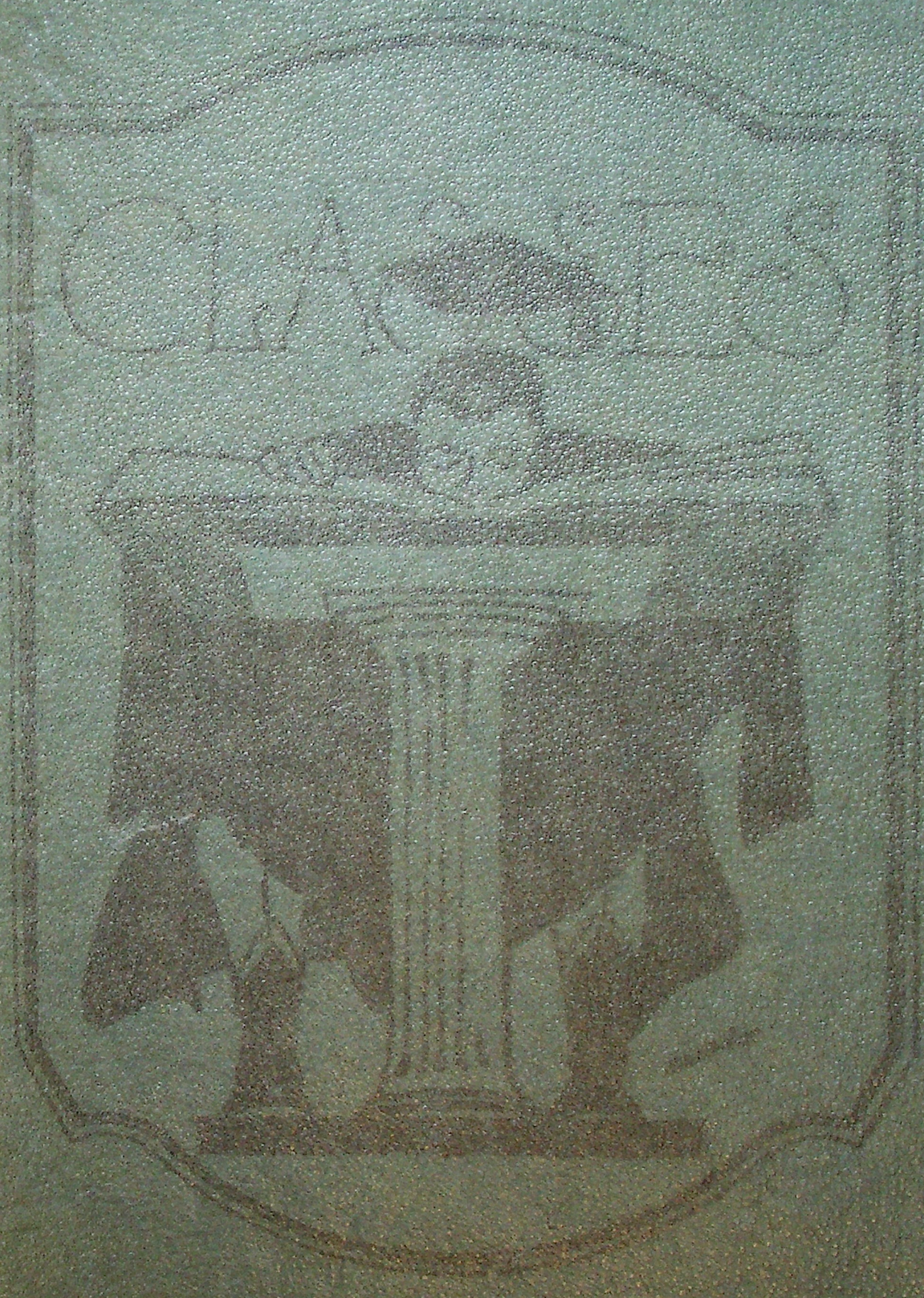
Furniture Design

HENRY GOLDSMITH

Fashion Design

ETHEL TRAPHAGEN

CONSTANCE REED



OL. OF 12

BY C. A. B.

1881

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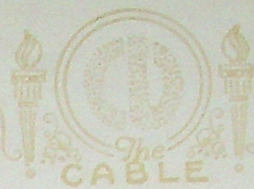
1926

1927

1928

CLASSES





SEMPARS



NINETEEN HUNDRED and TWENTY EIGHT



GENERAL SCIENCE, 1928



President

ROBERT E. CROSSEN

Vice-President

WILLIAM P. HAAS

Secretary

PETER TORRACO

Treasurer

CARL A. VILL

NOT QUITE five years have passed since the day we first came to Cooper. Now that we have finished our work, it is in keeping with tradition that we review the happenings of those years and glance over the record that we have left in the annals of the school.

In our first year we laid the foundations for our future activities at Cooper and after the work of the year was finished we held a theatre party and dinner for the purpose of advancing good fellowship among the students.

The following year was very much a repetition of the first year except that we did not feel as strange in our surroundings. This year was also closed out with our second theatre party and dinner.

In the third year we started working for the consolidation of all the classes bearing the numerals '28. With this object in view we combined under the banner of "The Science School '28" in holding the most successful of all third-year class affairs in the form of a Valentine Dance at the Waldorf Apartments.

Now we are in our Junior year and laying plans for the Junior Prom. that affair of crowning glory which every student anticipates. It will always linger in the hearts and minds of those who attended as the high-light of the social life of the school. In this year we also published our year book, THE CABLE of 1927, which we were all proud of.

We have now reached our last year at Cooper Union which also means that we had our serious moments of hard work otherwise we could not have come this far. To most of us, at this time, comes a mingled feeling of joy and regret. Joy in the knowledge that we have completed an arduous, self-assigned task and can consider it well done. Regret, since it means the severing of the ties of comradeship which have bound us during our stay at Cooper. Let us hope that graduation does not mean forgetfulness.

THE HISTORIAN



ELECTRICAL ENGINEERING, 1928

President
GEORGE FRIEDL

Vice-President
NILS G. WILLEN

Secretary
ALEXANDER JOHNSON

Treasurer
ABRAHAM PURGALIN



DURING the protracted grind of five years at Cooper every member of E.E., '28, being only human after all, has some time or another paused and cast a wistful glance down the colonnade of the years to one bearing the magic number '28. It symbolized for us the ending of a sometimes hard probation, the pinning of—what hopes—what achievements! Now that it has come to us potential alumni we find its sweetness mixed with an unexpected bitterness, like most of the crises in human destiny. For it will mean taking the final plunge into the swirl of the world, but it will also mean leaving Cooper.

To the Day Student, leaving his Alma Mater is largely compensated for by the lure of a world as yet untried and almost unknown in its sterner phases. But to the Night Man the world of industry and struggle has lost some of its "first fine raptures"; which makes the parting doubly hard.

And despite the Juggernaut of work, work, and more work, what good times, what gay gatherings, and happy hours, look back at us from here and there among the waning years. Miscellaneous dances, the Prom, the Senior Dance, Football, Basketball, THE CABLE, Class Organizations. In all of these we were volcanically active, collectively and individually. We may have come short now and then in the scholastic discipline, but, we never failed in the vital things, social development, publications, sports, and every angle of school spirit.

In parting let us express our gratitude to the school and professors who have nurtured us in manliness as well as learning, in sociability as well as science. May our life in the storm of the world be as fruitful and successful as in the sheltered halls of Cooper Union!

THE HISTORIAN

ARCHITECTURE, 1928



President

T. GÉRALD McLAUGHLIN

Vice-President

DOUGLAS THOMSON

Secretary

WILLIAM LUKACS

Treasurer

GEORGE NAPOLI

*I*N THE four years since the fall of 1924, when one hundred and fifty ambitious but untrained youngsters entered Cooper Union, a full hundred have dropped by the wayside, and to-day but fifty remain to take their places among the useful and creative aspirants to membership within the "thrice exalted court" of architecture.

The class owes a boundless debt of gratitude to its instructors, for their sincere interest and kindly patience, also to Mr. Miller, and the other members of the faculty, who representative of the spirit of Peter Cooper have done everything possible "to smooth the way and make light the path". An acknowledgement of thanks is made to the lecturers and all who have in any manner lent their time and efforts in the interest of the class. Our indebtedness to the school is immeasurable and can be but partially lessened by a lifelong remembrance and loyalty to her ideals.

Throughout the course, the Class has been unusually well represented in every form of school activity. In athletics, men on the track, football, baseball, basketball, and wrestling teams, the Class has a one hundred percent subscription to the *Pioneer* and to THE CABLE, has three members on the *Pioneer* Staff, has taken an active part in all of the social functions, besides conducting three of its own, and has ever maintained a hearty spirit of cooperation in all school projects.

The spirit of fraternalism that has sprung up among the members of the Class, and the many alliances of complete understanding and genuine regard that have been formed give evidence of enduring indefinitely.

Mingled with the natural pleasure contingent upon graduation are regrets that we must leave behind us the sheltering, aged in wisdom, atmosphere of the Halls of Cooper Union.

THE HISTORIAN



ALFRED J. ABRAHAMSEN

"Al."

Architecture

Honorable Mention, '26; 2nd Mention, '27.

MICHAEL ALBANESE, B. S.

"Mike"

Mechanical Engineering
Tech.

BERESFORD M. ALEXANDER, B. S.

"Alex."

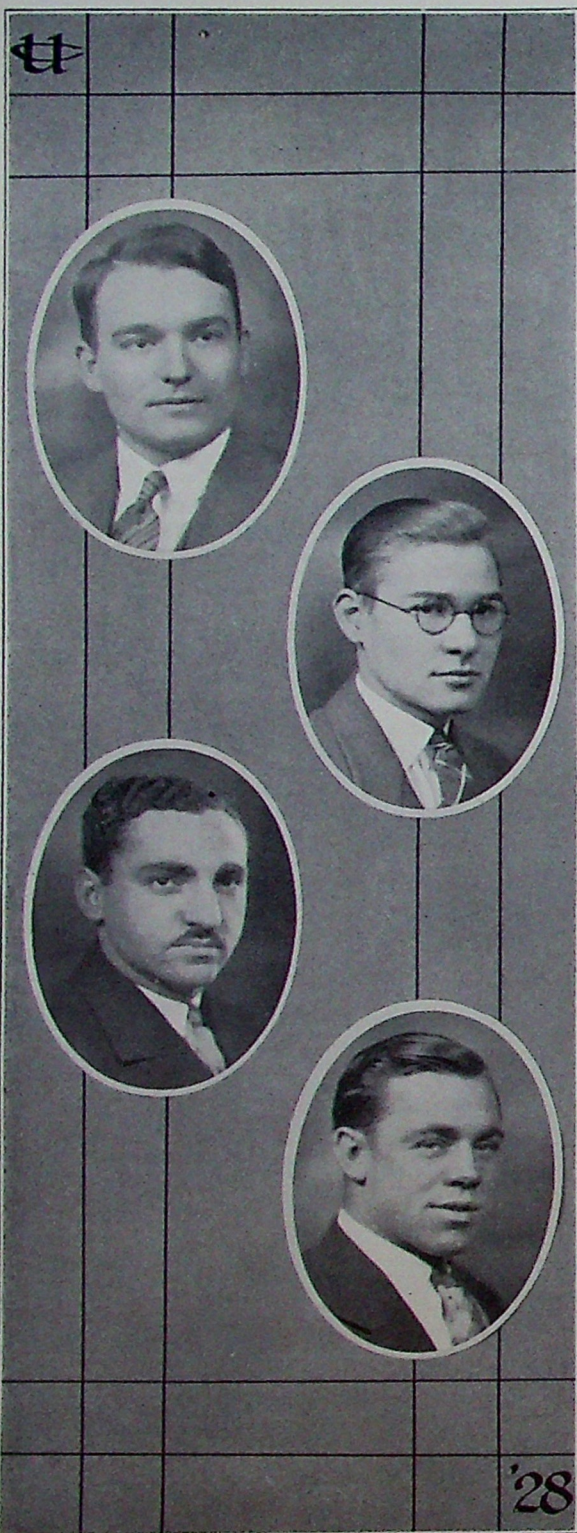
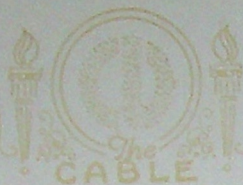
Civil Engineering
A. S. C. E.

AUGUSTE ANZIDEI, B. S.

"Gus"

Mechanical Engineering
A. S. M. E.





FERDINAND ARMBRUST, B. S.
"Doc"
Chemistry

ARENDT J. ARNHOLS, B. S.
"Arendt"
Electrical Engineering
Tech.
A. I. E. E.

PHILLIP ATTKISS, B. S.
"Phil"
Mechanical Engineering
A. S. M. E.

ROCCO D. BUFUNDO, B. S.
"Biff"
Civil Engineering
A. S. C. E.

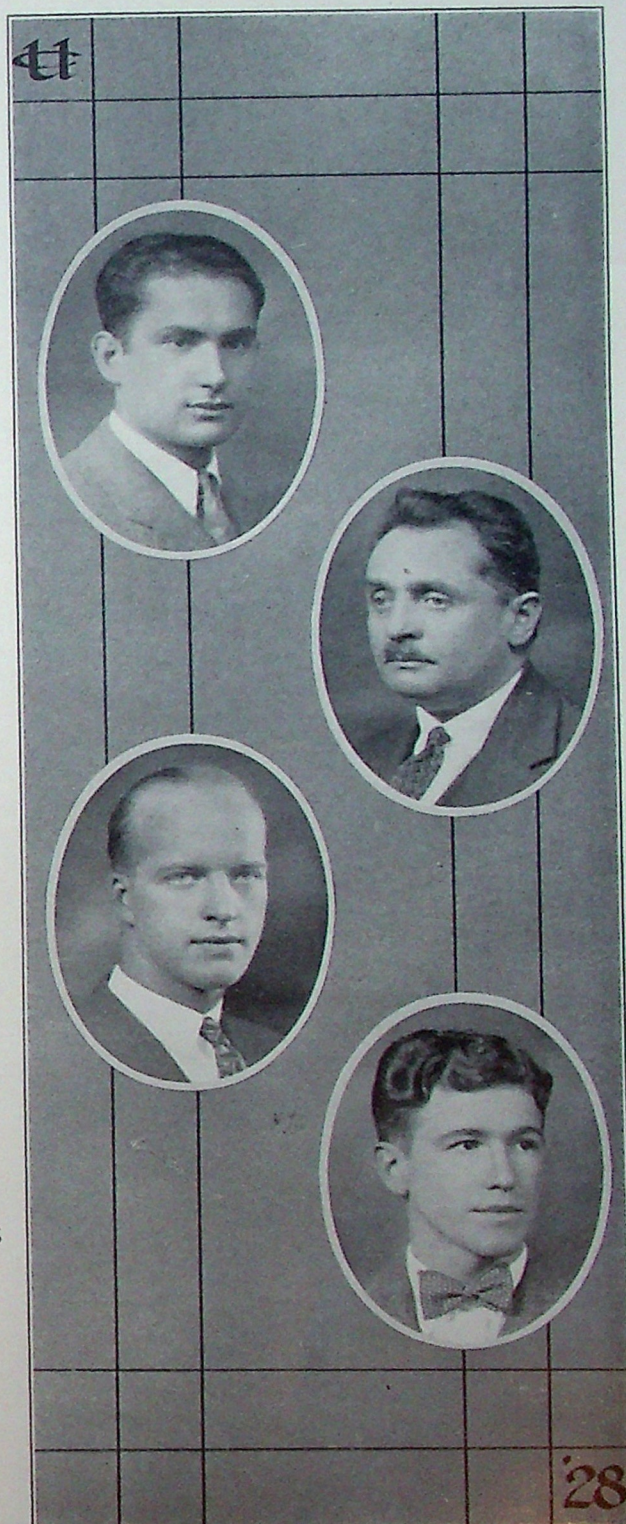


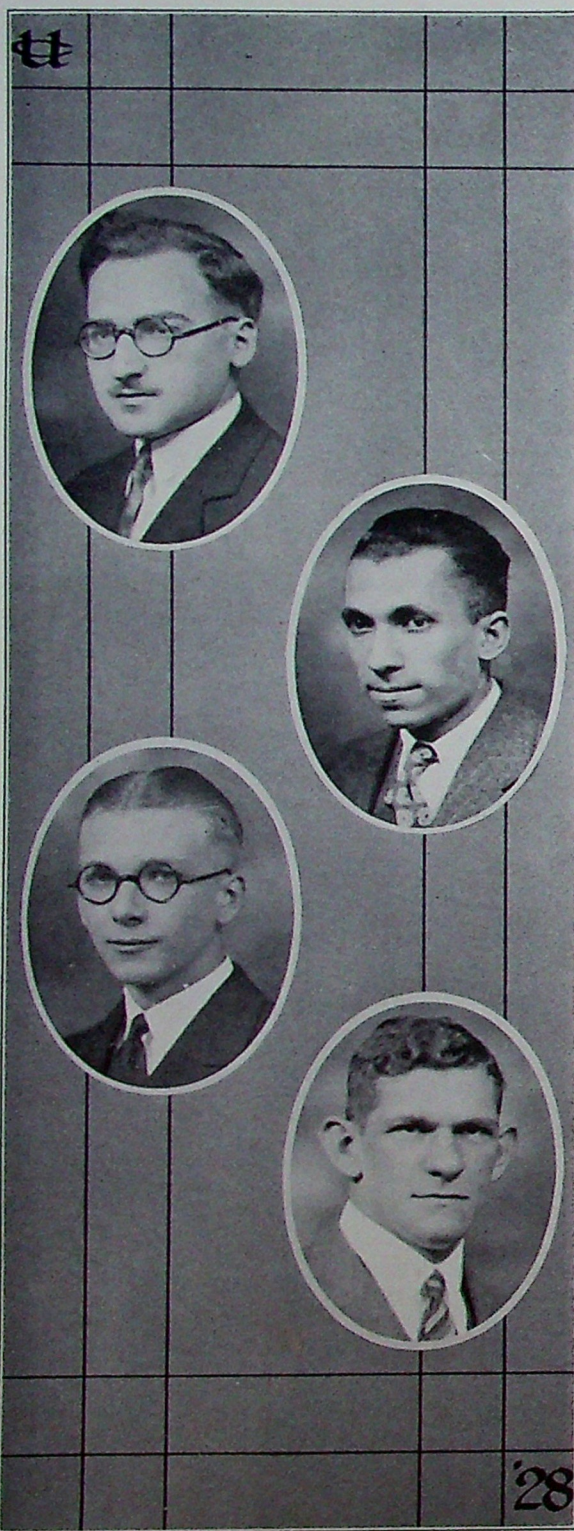
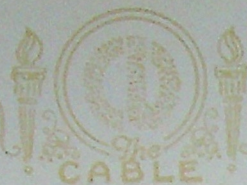
NICHOLAS T. BALDANZA, B. S.
"Nick"
Civil Engineering
Tech.
Math. Club, '28; Rifle Club, '28.

JOSEPH BALLAS, B. S.
"Ballas"
Chemistry

JOHN T. BARTLETT, B. S.
"Jack"
Electrical Engineering
R. H. M.
A. I. E. E.

LEROY C. BECKER
"Roy"
Architecture
Honorable Mention, '27; 1st Mention, '27;
Basketball, '26, '27.





ABRAHAM BERKOWITZ, B. S.

"Abe"

Chemical Engineering

Tech.

Chem. Club; Vice-Pres., '25; Treas., '26; Pres., '27 Chem. Club Award, '25; C. U. S. C., '26, '27, '28; Math Club, '25, '27, '28; Class Secy., '27; Senior Dance Committee, '28.

GUSTAVE BLUMSTEIN, B. S.

"Gus"

Electrical Engineering

A. I. E. E.

HERBERT F. BOEGE

"Herb"

Architecture

First Mention, '25, '26; Arch. Editor *Pioneer*, '28.

WILLIAM BOGART, B. S.

"Bill"

Electrical Engineering

Tech.

A. I. E. E.



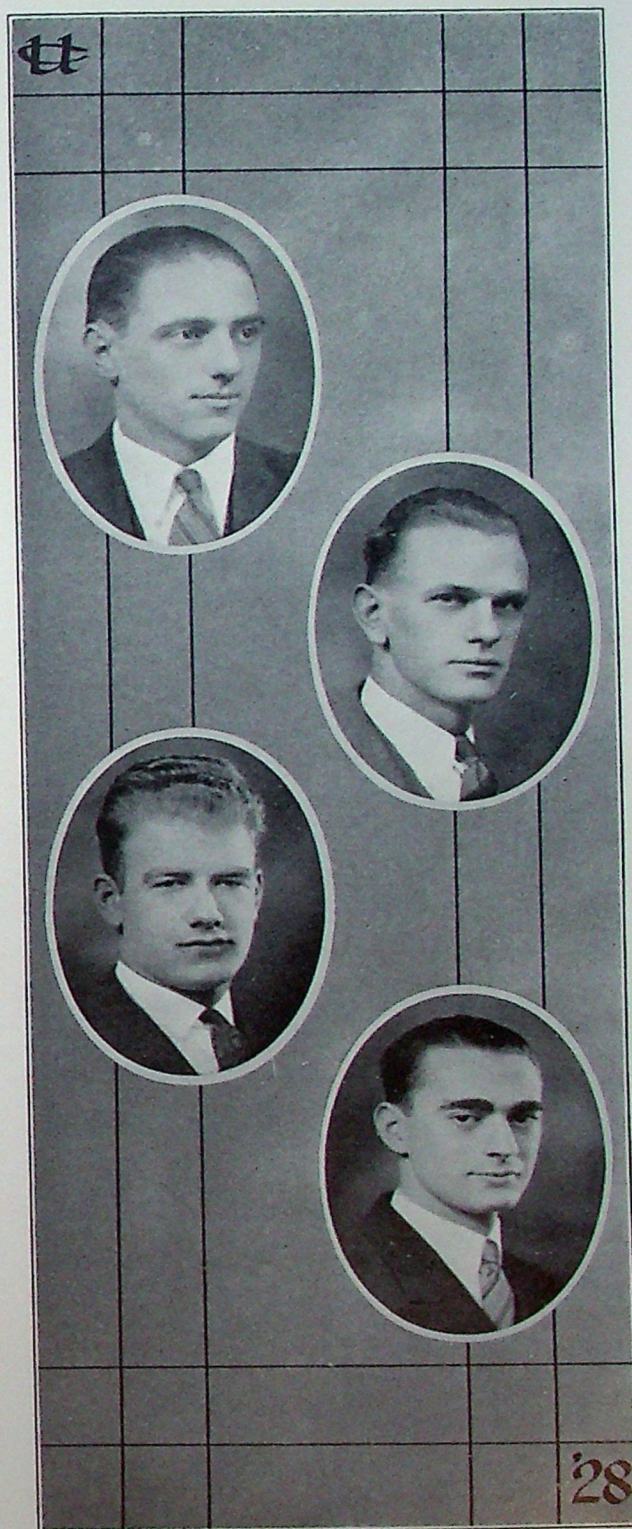
MARCUS BRONSTEIN
"Max"
 Architecture

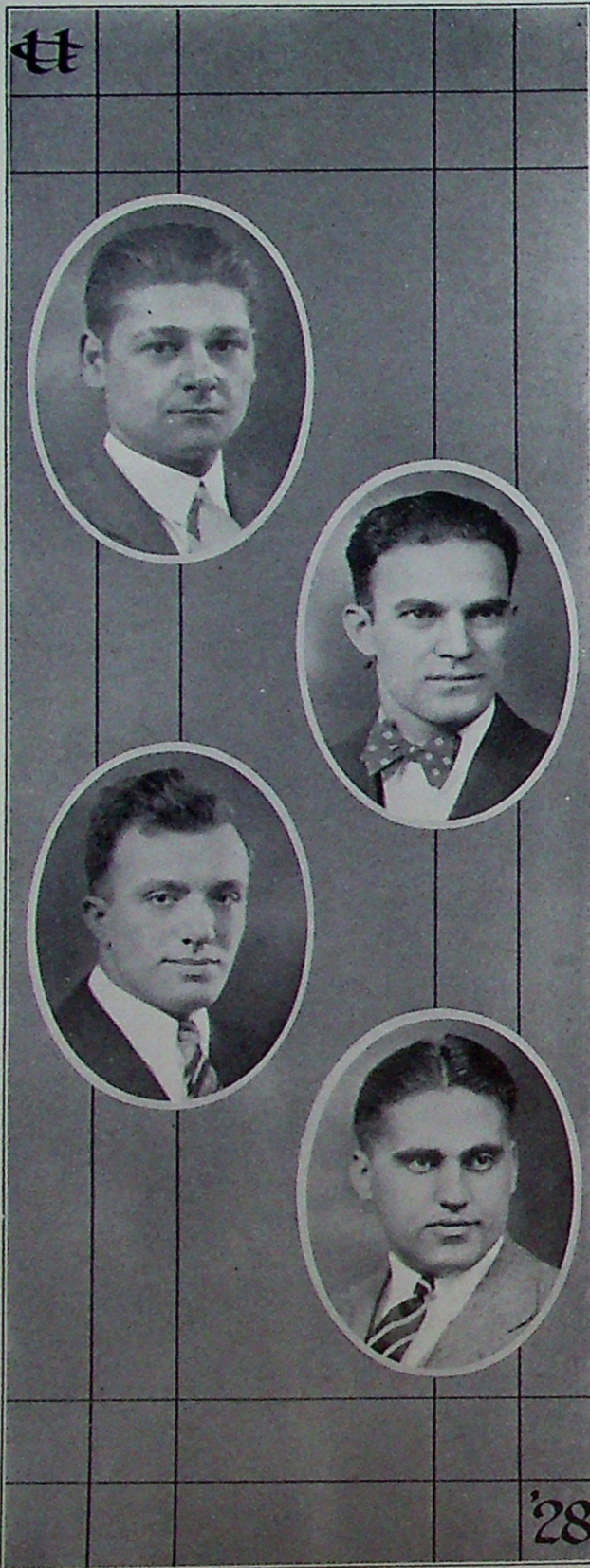
CHARLES BROWN, B. S.
"Charlie"
 Civil Engineering
 Σ A II

A. S. C. E. Class Secy., '28; C. U. S. C.,
 '26, '27, '28; I. C. Basketball, '26, 28; A. S.
 C. E. Chairman, '28.

PETER V. BRUNCK, B. S.
"Pete"
 A. S. M. E.
 Mechanical Engineering

SIMONE F. BRUNO, B. S.
"Si"
 Electrical Engineering
 A. I. E. E.





CLEMENS H. BYATT
"Clem"
Architecture

ALFRED CADEVARO, B. S.
"Al"
Electrical Engineering
A. I. E. E.; Track, '26, '27; Varsity "C",
'27.

JOSEPH L. CAGNANI, B. S.
"Joe"
Civil Engineering
A. S. C. E.; Treas. A. S. C. E., '28.

CARMINE CARUSO, B. S.
"Caruso"
Electrical Engineering
Tech.
A. I. E. E.; Math. Club; Rifle Club, '28.

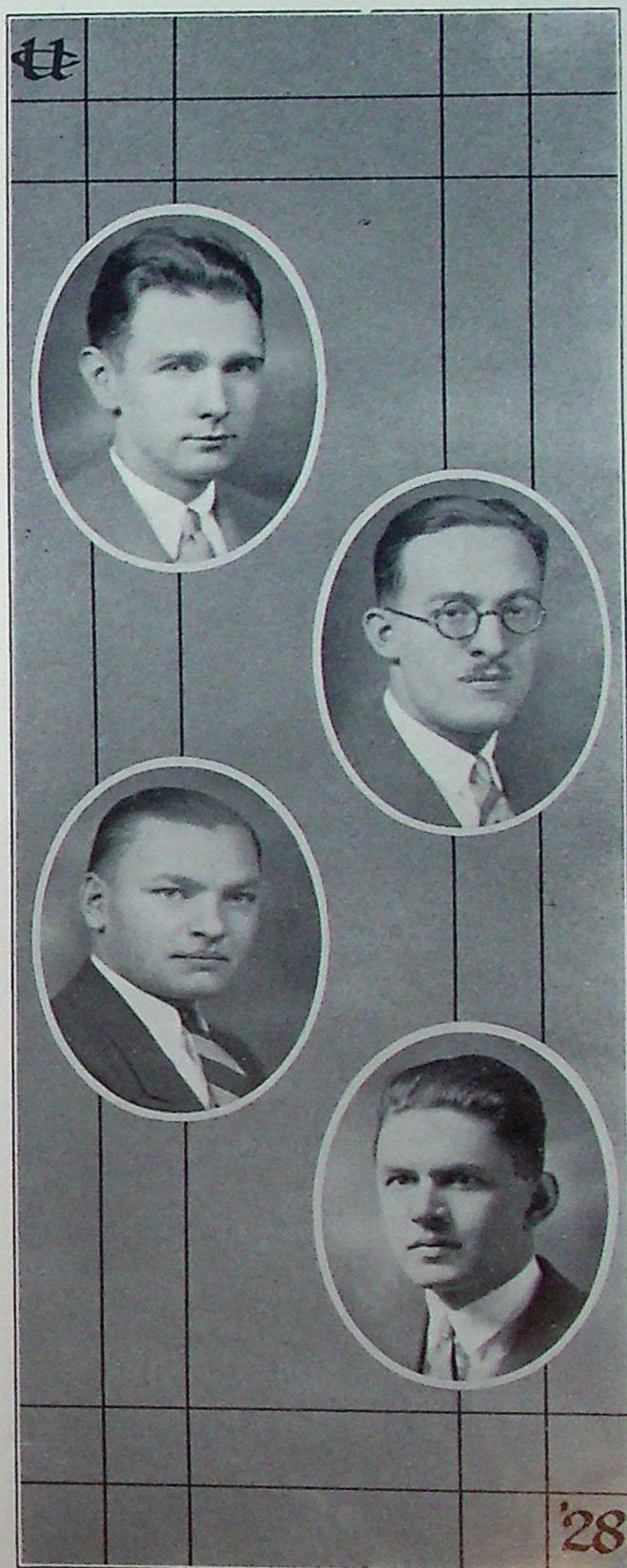


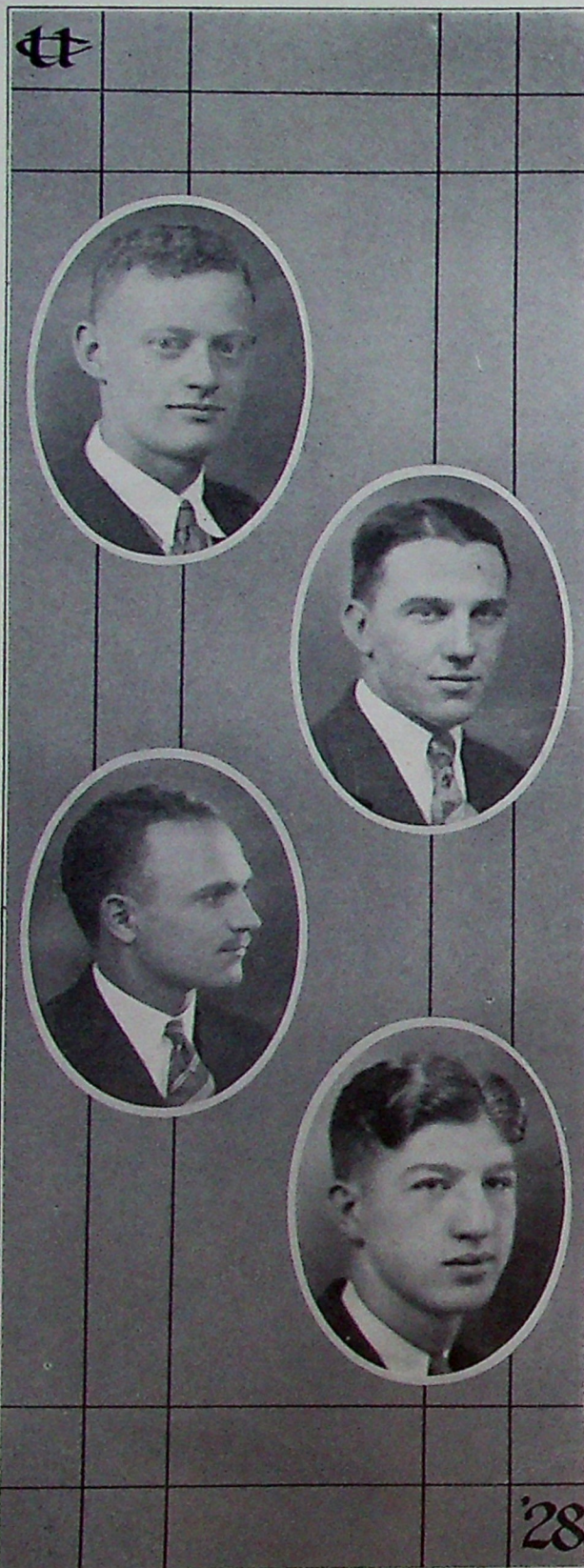
VINCENT E. CASSIDY, B. S.
"Vince"
Electrical Engineering
A. I. E. E.

LUCIEN CAVAGNET, B. S.
"Lucy"
Architecture
A. S. M. C.

JOSEPH CELUCH
"Joe"
Architecture

GERHERDUS K. CHRISTIAN
"Chris"
Architecture
Second Mention, '27.





ERICH A. COEBLER
"Eric"
 Architecture
 Honorable Mention, '27.

GEORGE COLVIN, B. S.
"George"
 Λ Σ Κ Μ Α Ο
 Civil Engineering
 Tech.

A. S. C. E.; Class Pres., '25, '26, '27, '28;
 C. U. S. C., '25, '26, '27, '28; C. U. S. C.
 Vice-Pres., '27; Pres. A. O., '28; Basketball,
 '26, '27, '28; Captain, Varsity Basketball, '28.

FRANK X. CONGILOSE, B. S.
"Frank"

Electrical Engineering
 Treas. A. I. E. E., '27; Vice-Chairman
 A. I. E. E., '28.

ARTHUR CREIGHTON
"Art"

Architecture
 Track, '26, '27, '28; Football, '26, '27; Mgr.
 Track, '28.



ROBERT E. CROSSON, B. S.

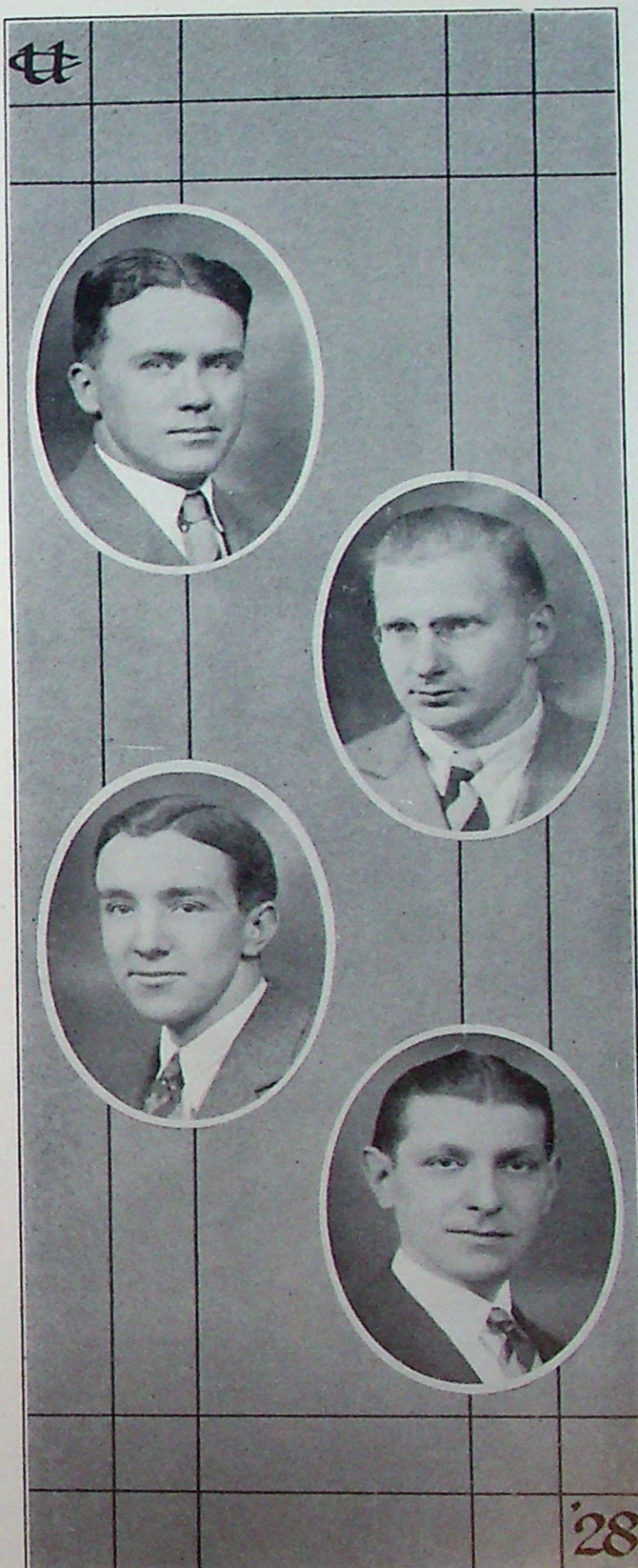
"Bob"

$\Omega \Delta \Phi$

Civil Engineering

A. S. C. E.

Class Pres., '24, '25, '28; Treas. C. U. N.
S. C., '25; Secy. A. O., '26.



JOHN DE GROOT, B. S.

"John"

Mechanical Engineering

A. S. M. E.

LOREN J. DELANTY, B. S.

"Loren"

$\Sigma A \Pi$

Electrical Engineering

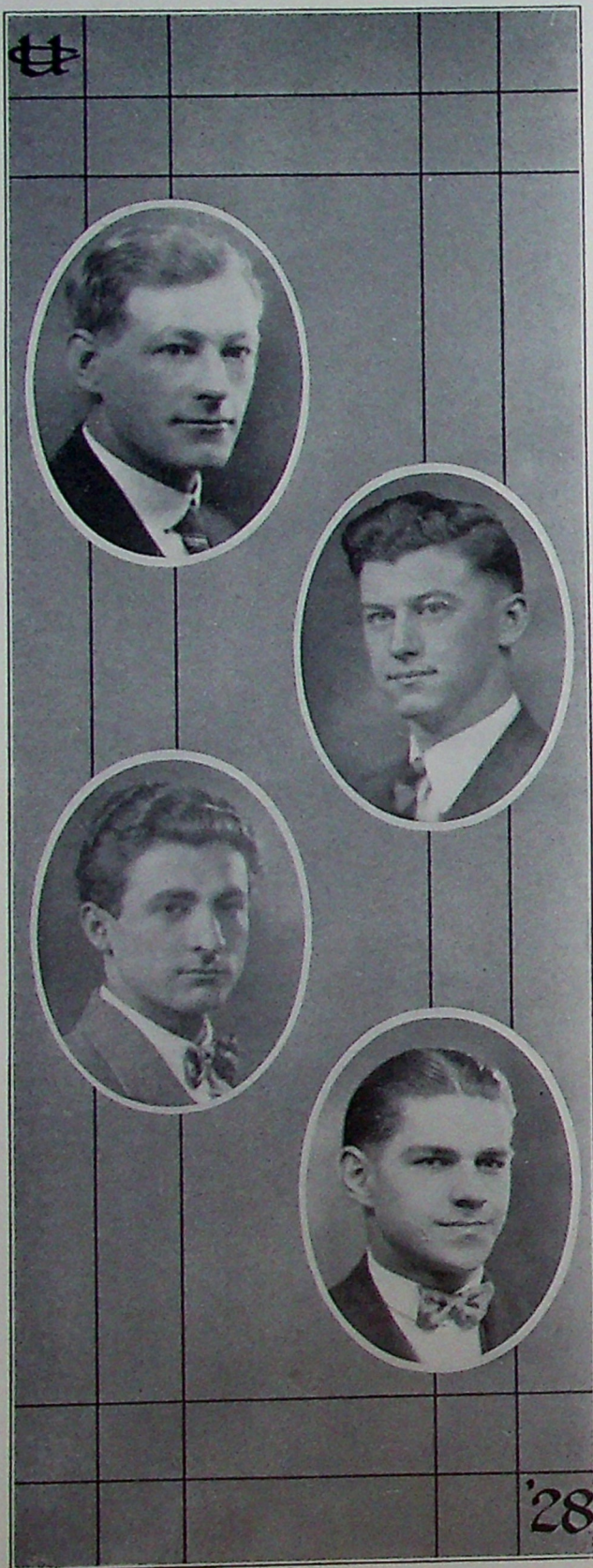
Tech.

ALBERT DELUNA, B. S.

"Al"

Civil Engineering

A. S. C. E.



JAN DEZEEUW

"Jan"

Architecture

First Prize Estimating, '27; 1st Mention,
'27.

AUSTIN P. DILLOUGHERY, B. S.

"Dilly"

Civil Engineering

A. S. C. E.

LEON B. DONN, B. S.

"Don"

Chemistry

Class Secy., '25, '27.

PETER DOUGLAS, B. S.

"Pete"

M A O

Mechanical Engineering

Tech.

Scholarship, '26, '27, '28; Pres. Math Club,
'28; Math Prize, '26, '27; Vice-Chairman
A. S. M. E., '28; C. U. S. C., '27, '28; Rifle
Club, '28.



EDWIN M. DUFUR, B. S.

"Duffy"

Civil Engineering
A. S. C. E.

BIENVENIDO DURAN, B. S.

"Welcome"

Mechanical Engineering
A. S. M. E.

GEORGE I. DURFEE, B. S.

"Durf"

$\Sigma A \Pi$

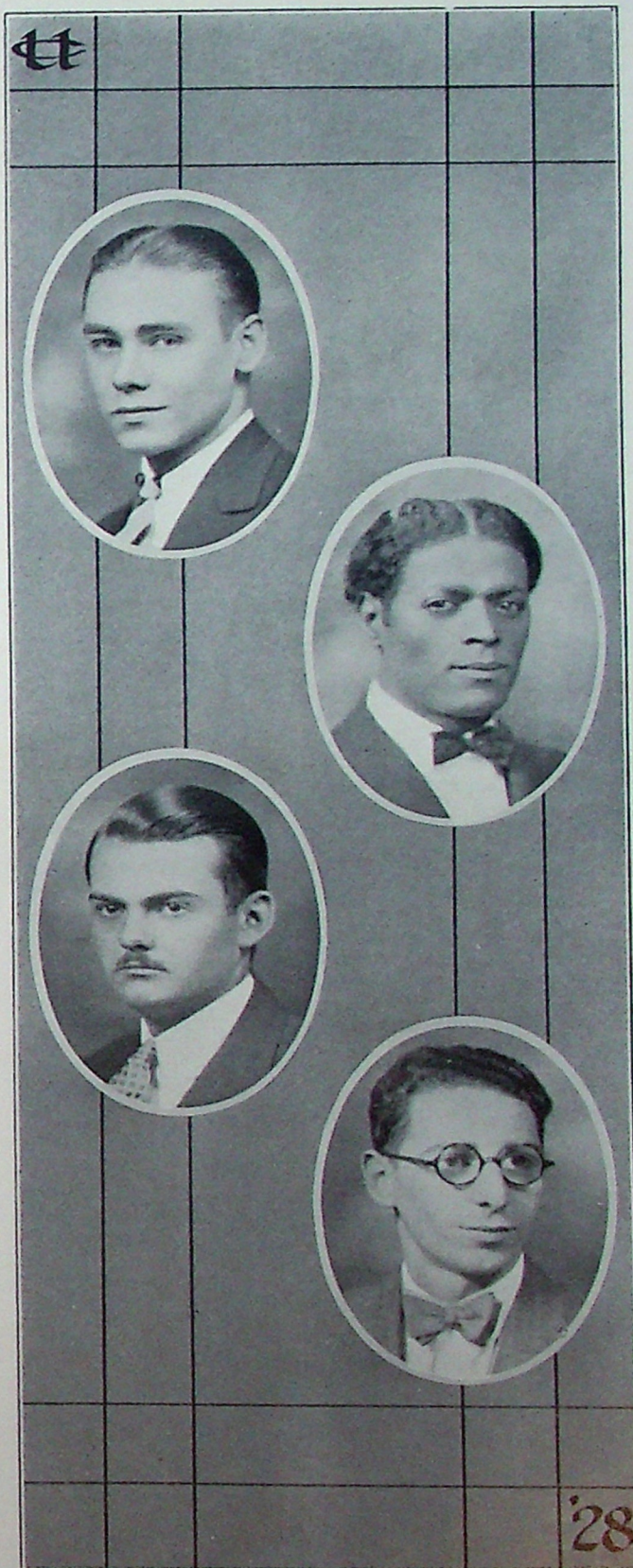
Mechanical Engineering
Tech.
A. S. M. E.

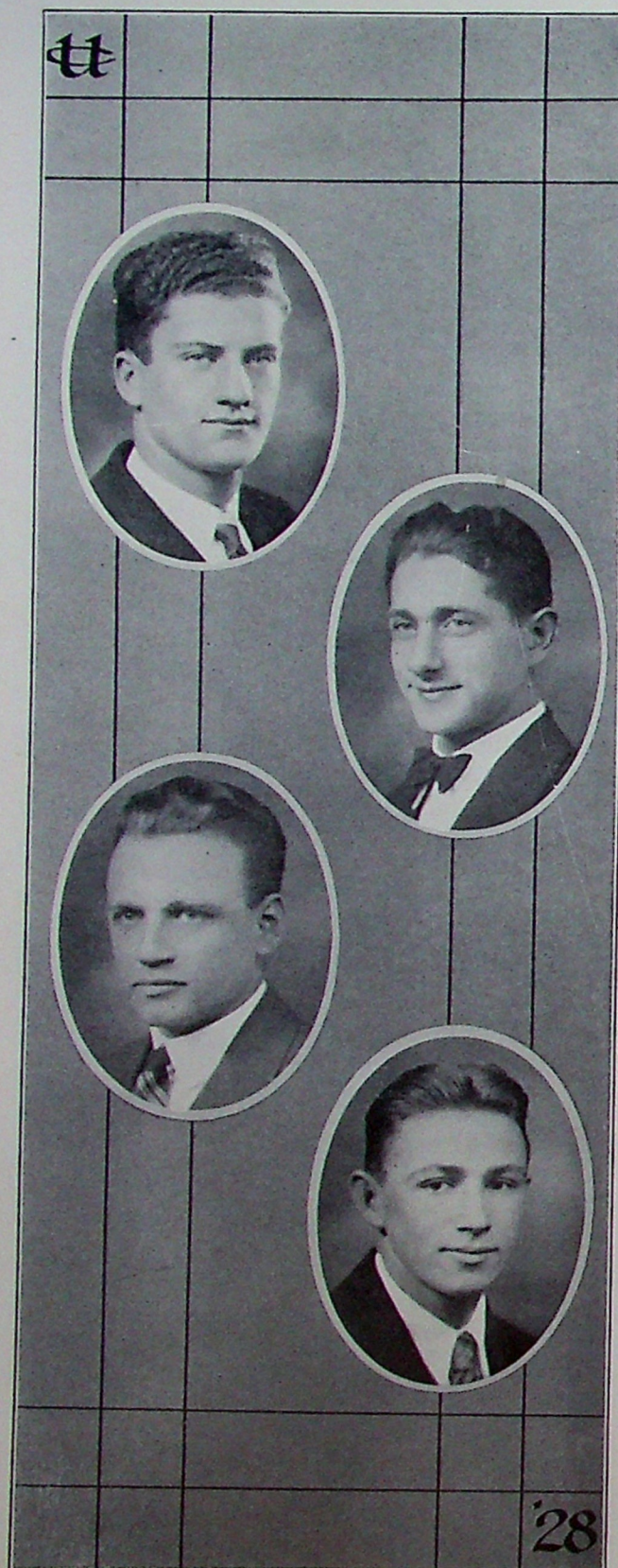
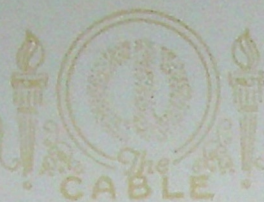
Tech. Cir. Mgr. Pioneer, '26; Mgr.-Editor, '26; C. U. S. C., '25, '26; Asst. Mgr. Basketball, '27; Class Treas., '27; Rifle Club; I. C. Basketball, '27, '28.

JOSEPH N. EDDLESTONE, B. S.

"Eddy"

Electrical Engineering
A. I. E. E.





JOHN ELSE

"Jack"

Architecture

Football, '27; Chairman Entertainment
Comm., '26, '27, '28.

SOLOMON EPSTEIN, B. S.

"Sol"

Electrical Engineering

A. I. E. E.

EDWARD W. FICKENSCHER, B. S.

"Cupid"

Civil Engineering

LOUIS T. FORTUNA

"Lou"

Architecture

Basketball, '26, '27, '28; I. C. Basketball,
'27, '28; Class Treas, '26.



ISODORE FRANKEL

"Frank"

Architecture

GEORGE FRIEDL, B. S.

"George"

$\Omega \Delta \Phi$

Electrical Engineering

Class Pres., '26, '27, '28; Soph. Hop Comm., '26; Vice-Pres., C. U. N. S. C., '27; Chairman Annual Affair Comm., '27; I. C. Basketball, '27, '28; Athletic Editor Cable, '27; Football, '27; Captain, '28; Ex-Post Facto, '28; Annual Affair Comm., '28.

WALTER W. FRITSCHI, B. S.

"Walt"

$\Omega \Delta \Phi$

Electrical Engineering

A. I. E. E.

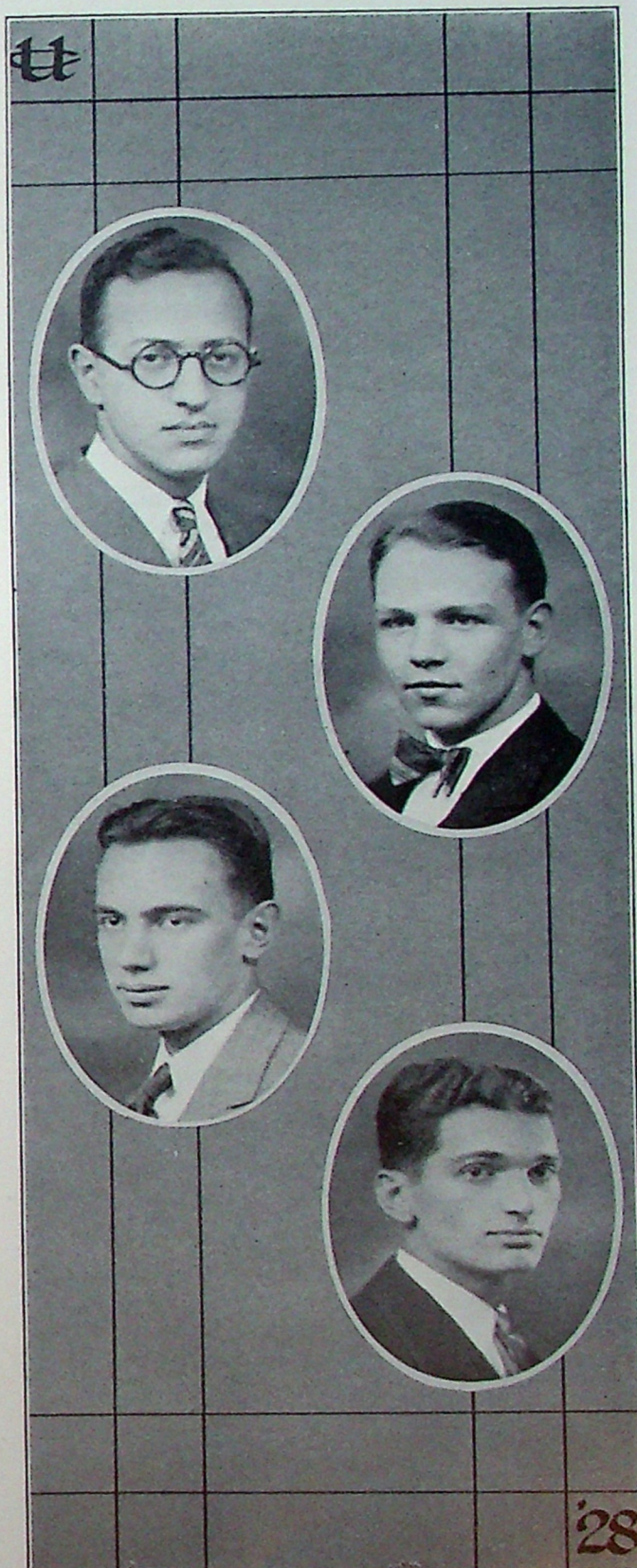
Class Secy., '26; Vice-Pres., '27; I. C. Basketball, '26, '27, '28; Track, '27; Photo Editor Cable, '27; Key Comm., '28.

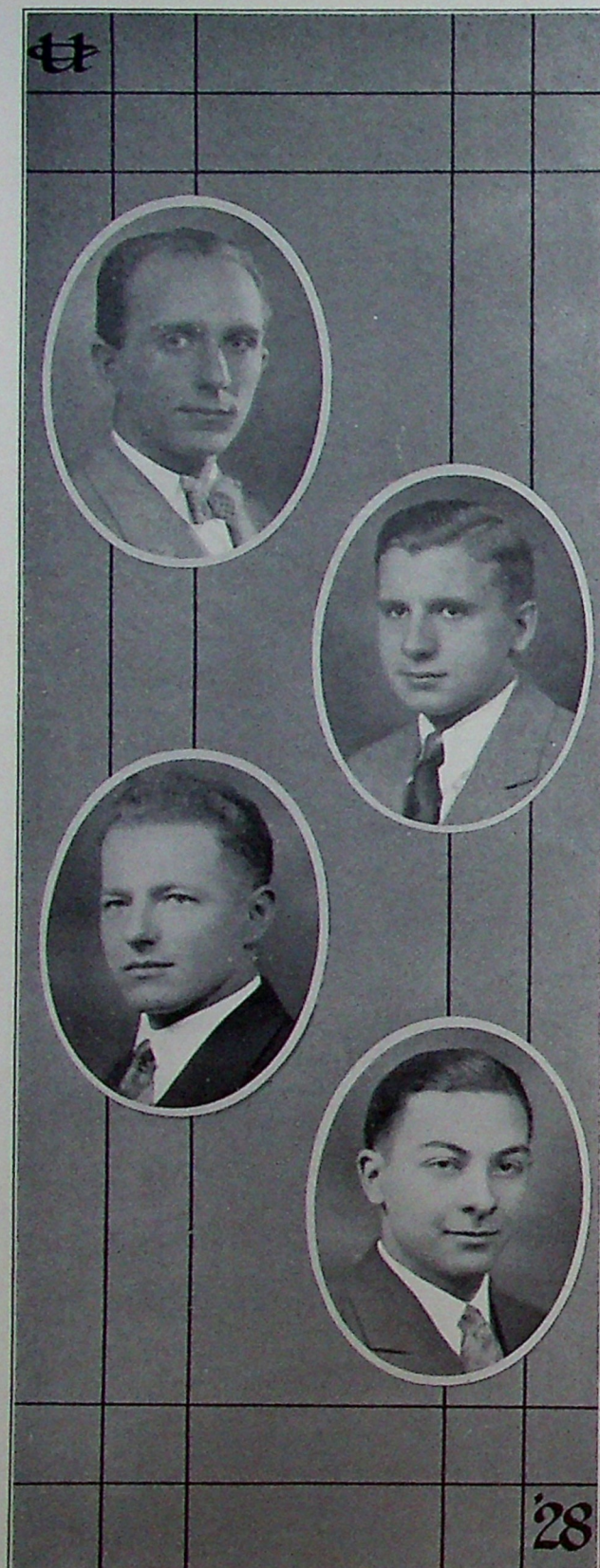
GEORGE G. GAVINA, B. S.

"Gavvy"

Electrical Engineering

A. I. E. E.





JOHN J. GEMMELLI, B. S.

"Jim"

Electrical Engineering

$\Phi \Sigma \Omega$

A. I. E. E.

Business Mgr. Cable, '26; Ex Post Facto, '27.

THOMAS A. GHERSAN, B. S.

"Tommy"

Civil Engineering

A. S. C. E.

FREDERICK W. GIESEKING, B. S.

"Fred"

Civil Engineering

A. S. C. E.

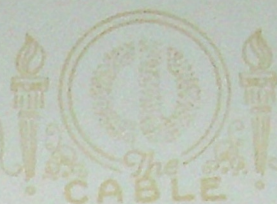
GEORGE L. GINEXI, B. S.

"George"

Electrical Engineering

Tech.

A. I. E. E.; Scholarship, '26, '27; Rifle Club, '27, '28.



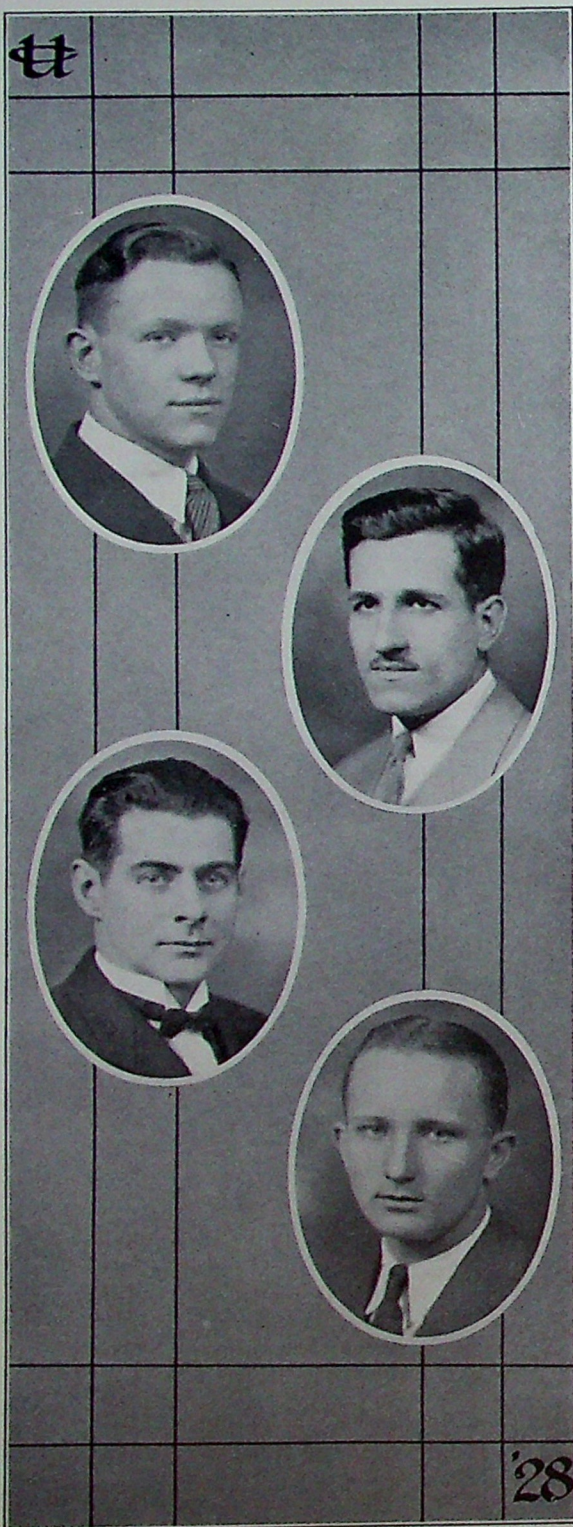
ERNEST J. GODDARD, B. S.
"Pop"
 Electrical Engineering
 A. I. E. E.

SAUL GOLDSMITH, B. S.
"Goldie"
 Civil Engineering
 A. S. C. E.

GUSTAVE GOTTRON, B. S.
"Gus"
 $\Omega \Delta \Phi$
 Electrical Engineering
 A. I. E. E.
 Swimming, '22, '25; Mgr. Swimming, '24,
 '25; Pioneer Staff, '22, '25; Cable Board, '25;
 Newman Club.

NATHAN S. HABERMAN
"Nat"
 Architecture





WILLIAM P. HAAS, B. S.

"Bill"

$\Sigma A \Pi$

Mechanical Engineering

A. S. M. E.; I. C. Basketball, '27; Basketball, '28; Junior Prom. Comm., '27; Class Vice-Pres., '28; Senior Hop Comm., '28.

JACOB HALPERN, B. S.

"Jack"

Electrical Engineering

A. I. E. E.

ALEXANDER HAMM, B. S.

"Alex"

Mechanical Engineering

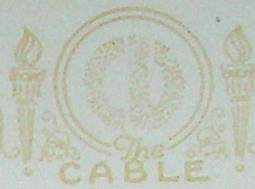
A. S. M. E. Gift Comm., '28.

FRANK J. HANASEK, B. S.

"Gustav"

Mechanical Engineering

A. S. M. E.; Football, '27; Gift Comm., '28.

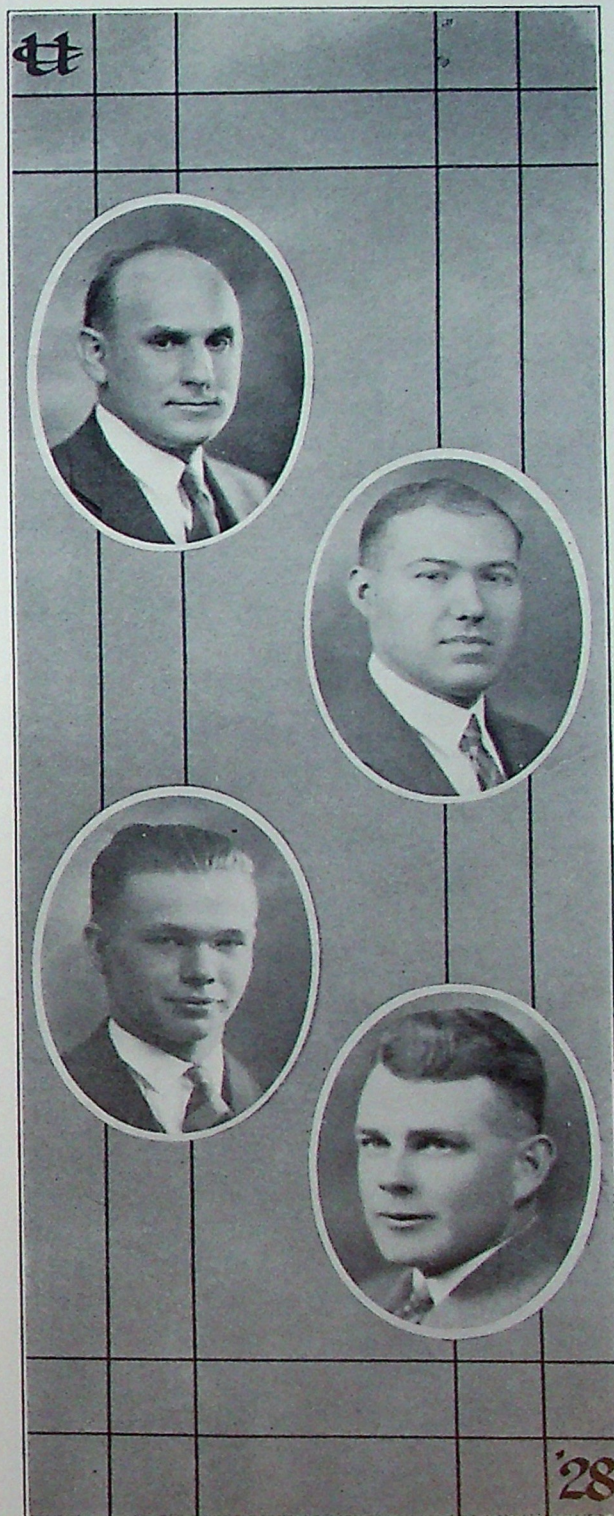


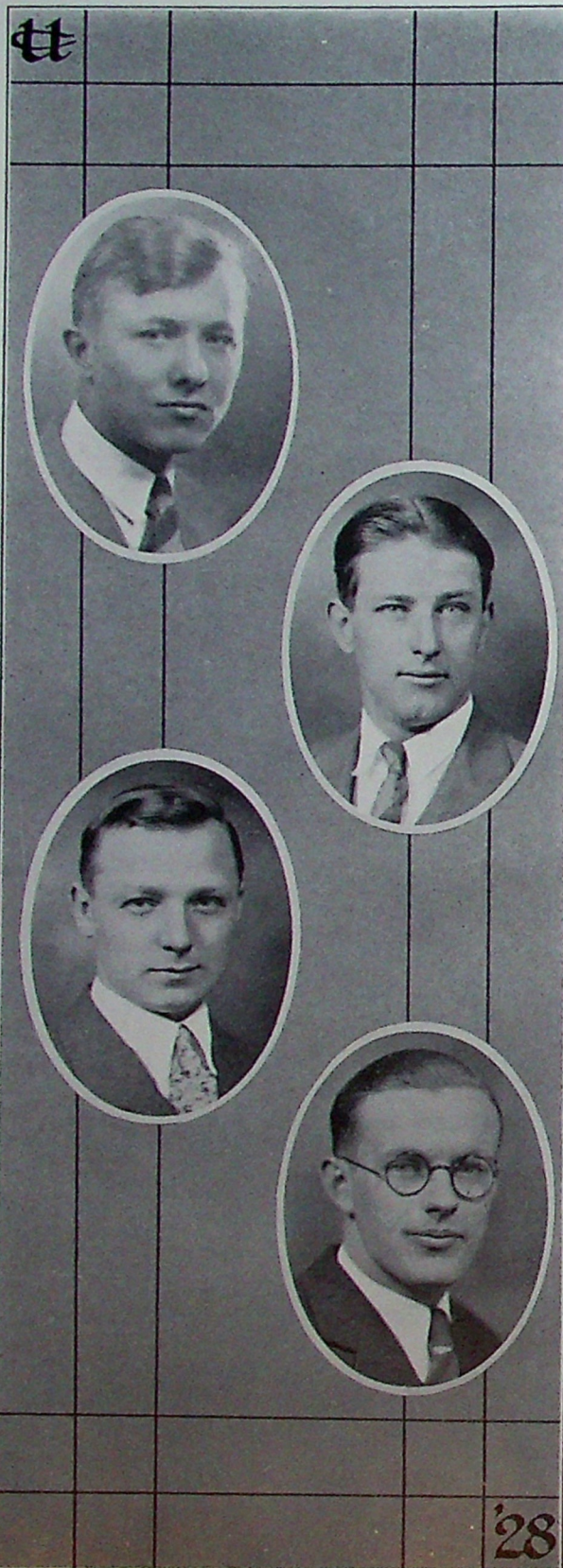
FREDERICK HANSA, B. S.
"Fred"
Electrical Engineering
A. I. E. E.

HERBERT E. HEIL
"Hi"
Architecture

WILLIAM H. HENDESS
"Bill"
Architecture

KENNETH W. HOUCK
"Ken"
Architecture





GEORGE JACOBSON, B. S.

"Jake"

Civil Engineering

A. S. C. E.

ALPHONSE L. JACQUET, B. S.

"Frogs"

Civil Engineering

$\Sigma \Delta \Pi$

A. S. C. E.

HENRY J. JANSSEN, B. S.

"Anree"

Mechanical Engineering

A. S. M. E.

ALEXANDER JOHNSON, B. S.

"Al"

$\Phi \Sigma \Omega$

Electrical Engineering

Junior Prom. Comm., '27; Bus. Mgr. Cable, '27; Ex Post Facto, '28; Class Secy., '28; Chairman Senior Hop Comm., '28; Treas. C. U. N. S. C., '28; Chairman Annual Affair Comm., '28.



JOHN KAMFORD

"Kam"

Architecture

LEONARD KEBRICH, B. S.

"Keb"

Chemistry

Class Secy., '23; Class Pres., '24, '25, '26;
Annual Affair Comm., '26; C. U. N. S. C.,
'25, '26; Newman Club.

EDGAR Y. KELSEY

"E-Y"

Architecture

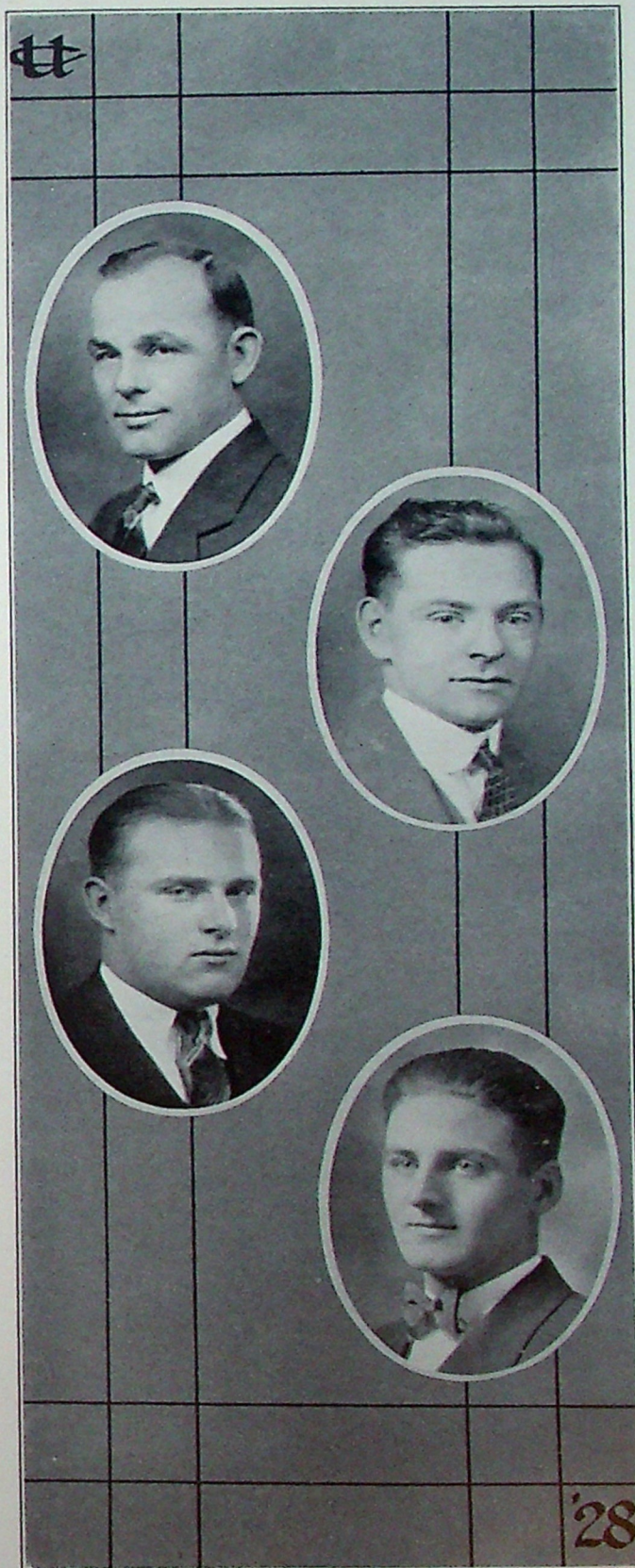
Second Prize, '27.

EDWARD W. KEMP

"Ed"

Architecture

First Mention, '27.





tt



DANIEL J. KENNEALLY, B. S.

"Dan"

Electrical Engineering

Class Vice-Pres., '24; Class Secy., '27; Cable Board, '27; A. I. E. E.



PIERRE P. KEULEMANS

"Pete"

Architecture



SOLOMON KIMITO, B. S.

"Sol"

Civil Engineering

A. S. C. E.

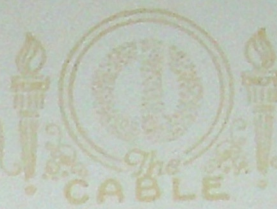


PHILLIP K. KINGSTON

"King"

Architecture

'28



KALMAN KLEIN

"Kal"

Architecture

Class Vice-Pres., '25; Entertainment Comm.,
'26; Class Affair Comm., '27, '28.

OTTO KNIPPING, B. S.

"Windy"

Civil Engineering

A. S. C. E.

JACOB KRAKOW

"Krak"

Architecture

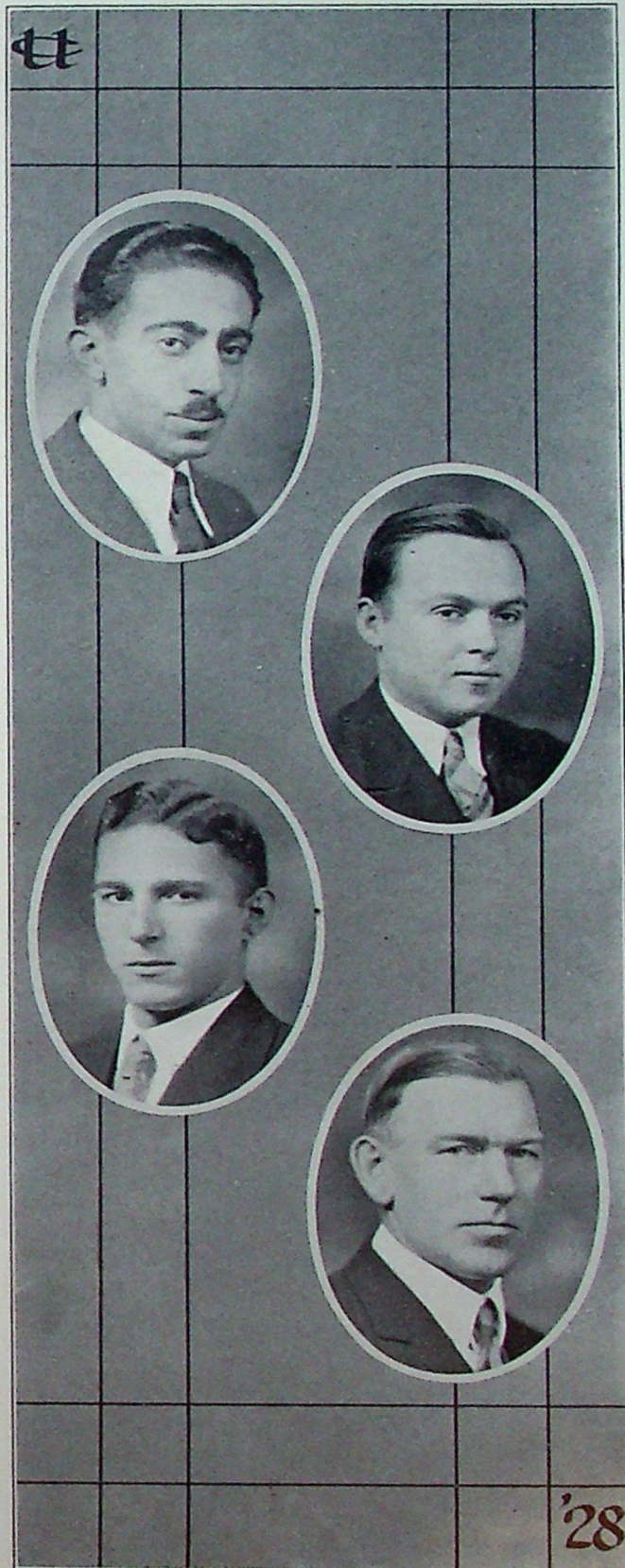
Second Mention, '27.

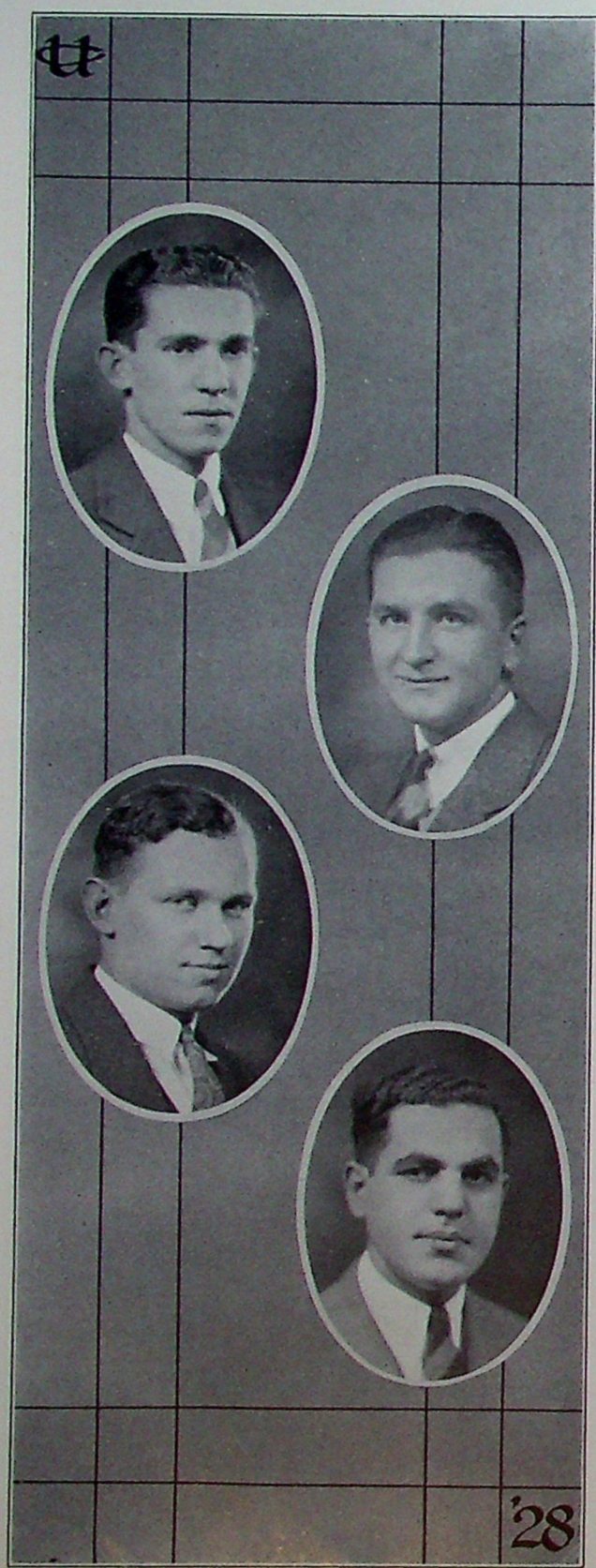
LEO KRONER, B. S.

"Leo"

Mechanical Engineering

A. S. M. E.





LOUIS KUKOWITZ, B. S.

"KuKoo"

Mechanical Engineering

A. S. M. E.; Key Comm., '28.

HERMAN KULDA, B. S.

"Hans"

Mechanical Engineering

A. S. M. E.

GEORGE LATHAM, B. S.

"George"

Civil Engineering

A. S. C. E.

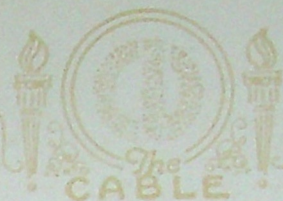
DAVID LEVINE, B. S.

"Dave"

Electrical Engineering

Tech.

A. I. E. E.; Math. Club; I. C. Basketball,
'25, '26, '27, '28; Varsity Basketball, '28.



NATHANIEL LEWIS, B. S.

"Nat"

Civil Engineering
A. S. C. E.

STAVROS J. LIACOS, B. S.

"Stavvy"

Electrical Engineering
Tech.
A. I. E. E.

WILLIAM W. LUKACS

"Luke"

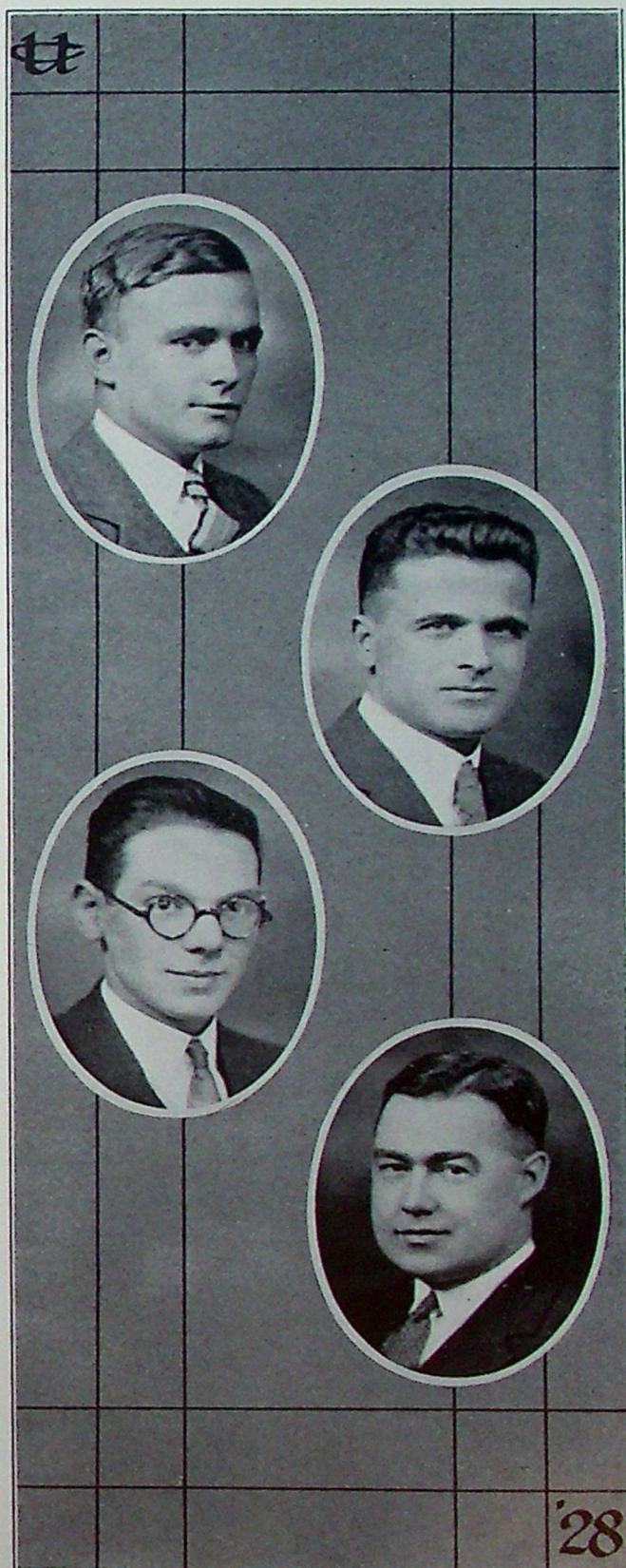
Architecture

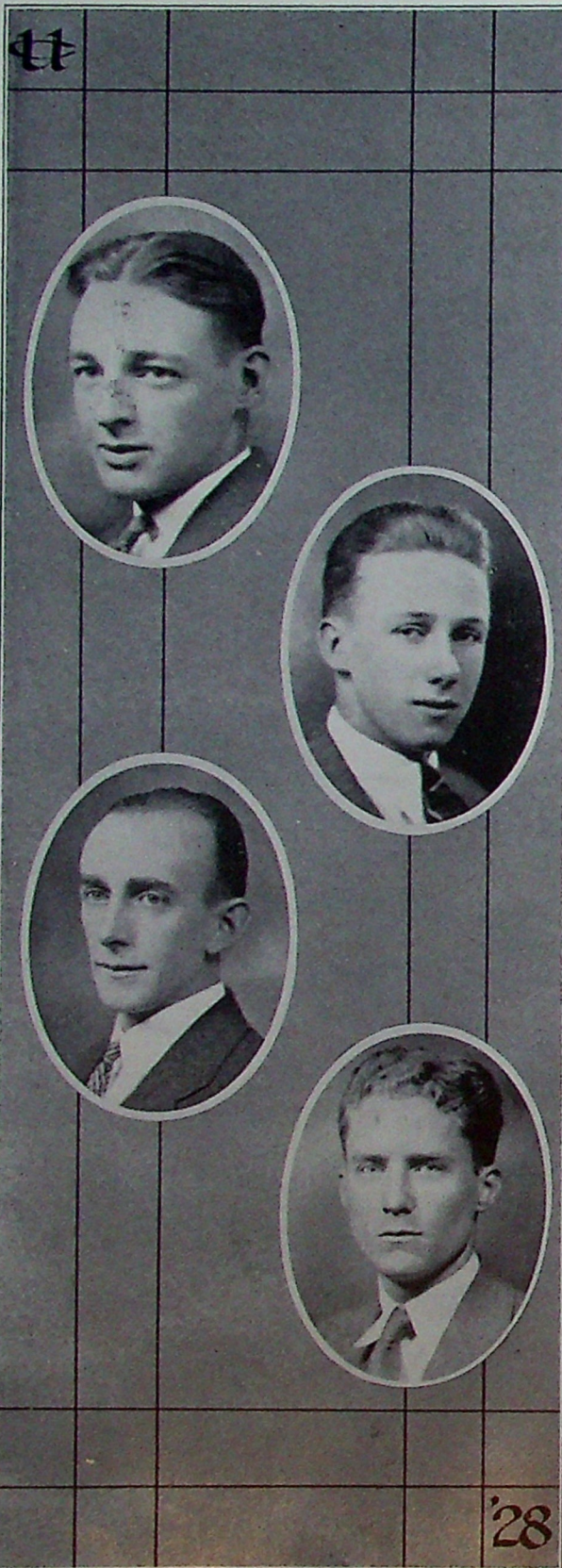
Class Secy., '28; Entertainment Comm., '26;
Arch. Editor Pioneer, '28.

CLARENCE K. MACKENZIE, B. S.

"Mack"

Civil Engineering
A. S. C. E.





ARTHUR J. MARTIN

"Art"

Architecture

Honorable Mention, '27.

T. GERALD McLAUGHLIN

"Jerry"

Architecture

Class Pres., '27, '28; Vice-Pres. Art Council, '27; Junior Prom. Comm., '27; Senior Hop Comm., '28; Pres. N. S. A. C., '28; Mgr. Track Team, '27; Track, '26, '27, '28; Football, '26, '27; I. C. Basketball, '27, '28.

WILLIAM A. McNAUGHT

"Mac"

Architecture

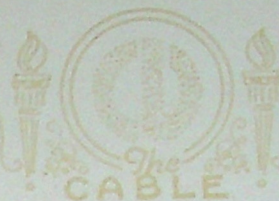
JOHN MEEHAN, JR., B. S.

"Jack"

Electrical Engineering

Tech.

C. U. S. C., '25, '26, '27, '28; Treas. Rifle Club, '27, '28; Chairman C. U. S. C. Dance, '28.



MOSE MENDELSON

"Moe"

Architecture



OTTO MICHAEL, B. S.

"Otto"

Electrical Engineering

Associate Ed. Cable, '26; A. I. E. E.



JOHN A. MOLLERS, B. S.

"John"

Electrical Engineering

Class Pres., '24, '25; Swimming Team, '23, '24, '25; Key Comm., '28.



LANDO E. MONACCI, B. S.

"Lan"

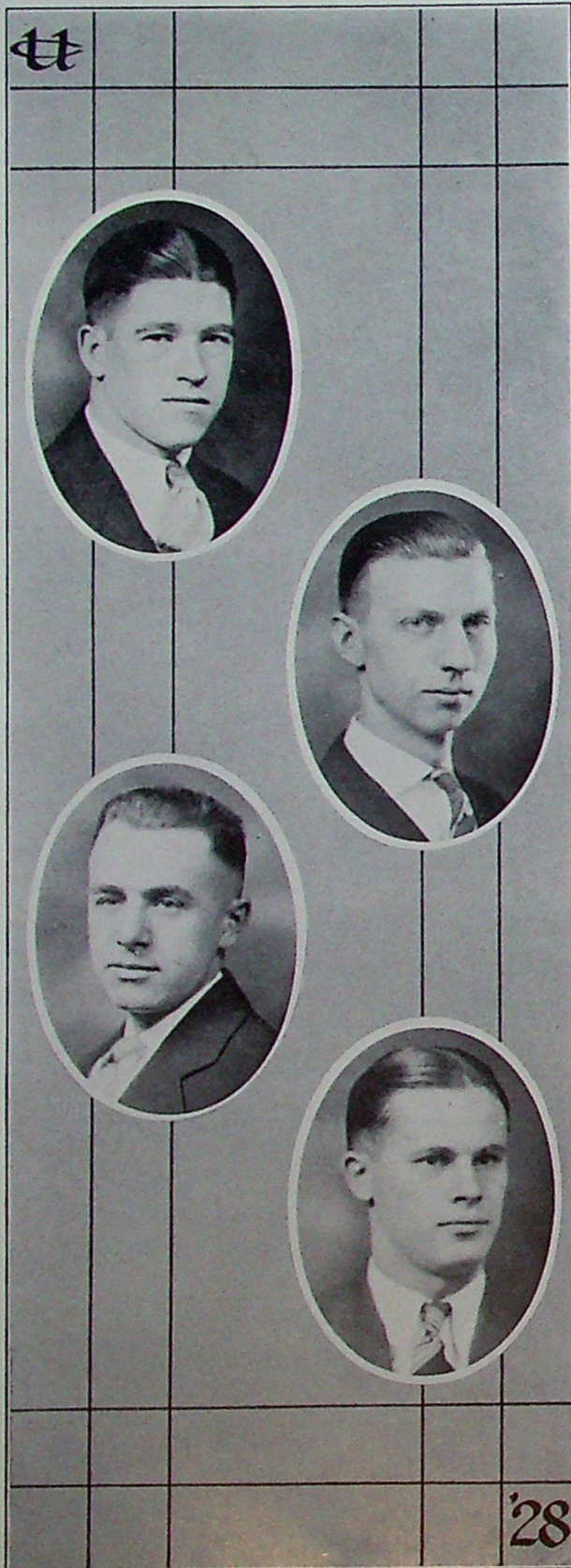
$\Phi \Sigma \Omega$

Electrical Engineering

Senior E. E. Dinner Comm.; A. I. E. E.; Newman Club.



'28



JOHN J. MOORE

"Red"

Architecture

Basketball, '27, '28.

GEORGE W. MORGENROTH, B. S.

"George"

$\Sigma A \Pi$

Mechanical Engineering

C. U. S. L., '24; Class Treas., '26; Soph. Dance Comm., '26; Class Treas., '27; A. S. M. E. Treas., '27; Chairman, '28; Wilson G. Hunt Prize, '27; Key Comm., '28.

LOUIS MOTTA, B. S.

"Louis"

Mechanical Engineering

A. S. M. E.

MICHAEL MUSSETTI, B. S.

"Mike"

$\Omega \Delta \Phi$

Civil Engineering

Class Secy., '25; A. S. C. E.



JULIUS NAGLER

"Jule"

Architecture

GEORGE S. NAPOLI

"Nap"

Architecture

Class Treas., '27, '28; Art Council, '28;
2nd Mention, '28.

JOSEPH A. NORRIS, B. S.

"Joe"

Mechanical Engineering

Tech.

C. U. S. C., '28; Baseball, '24, '25, '26;
Captain, '28.

QUENTIN PETERS, B. S.

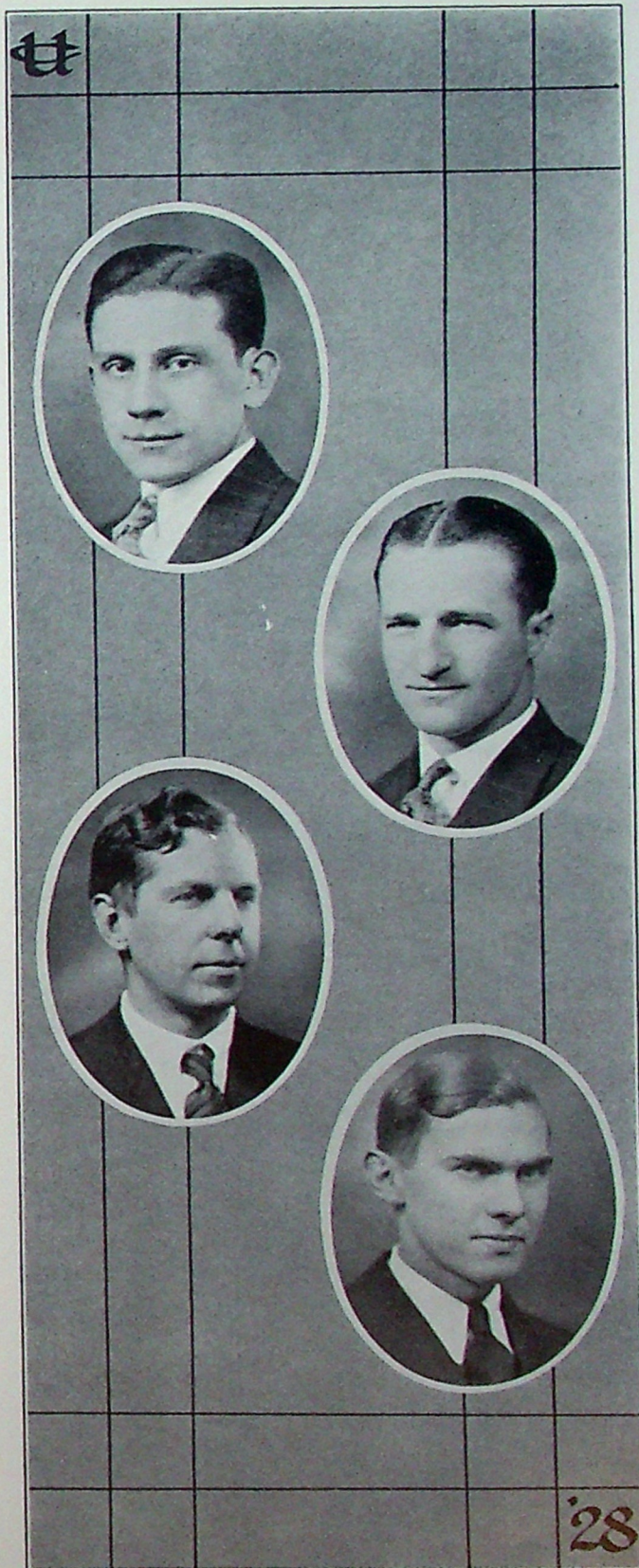
"Pete"

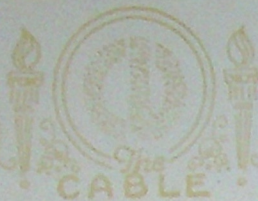
$\Lambda \Sigma K$

Electrical Engineering

Tech.

A. I. E. E.





44



NICHOLAS V. PETROFF, B. S.

"Prof"

Electrical Engineering

A. I. E. E.



GEORGE A. PIERCE

"George"

Architecture



CHARLES PISAPIA, B. S.

"Charlie"

Civil Engineering

A. S. C. E.



ABRAHAM C. PURGALIN, B. S.

"Purg"

Electrical Engineering

A. I. E. E.; Class Treas., '28.

'28

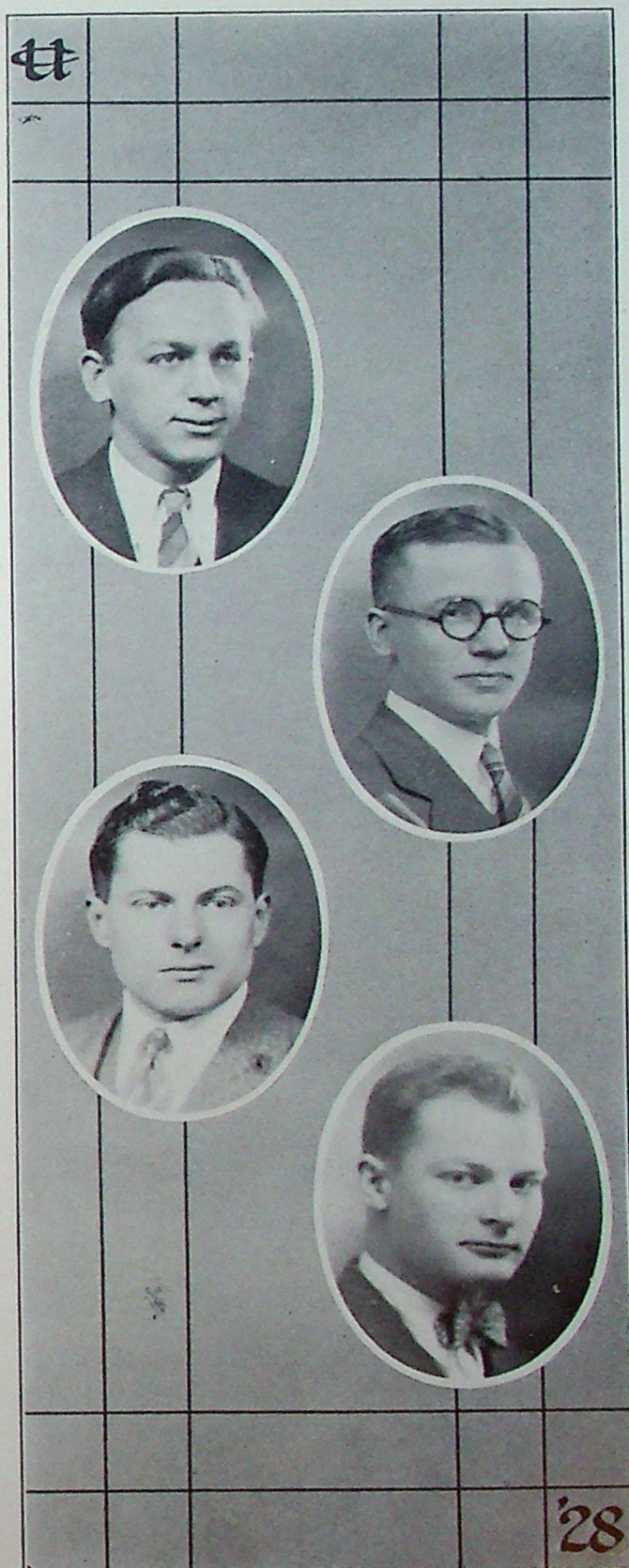


JACOB RAPPOPORT

"Jack"

Architecture

Track, '27, '28; Handball, '28.



GEORGE W. RIEBER, B. S.

"Rye"

$\Omega \Delta \Phi$

Mechanical Engineering

A. S. M. E.

EDGAR T. REYNOLDS, B. S.

"Ed"

$\Sigma \Lambda \Pi \text{ MAO}$

Electrical Engineering

Tech.

Pioneer Staff, '26, '27; Class Treas., '25, '26; Junior Prom. Comm., '27; Tech Editor Cable, '27; Chairman A. I. E. E., '28; C. U. S. C., '26, '27; Pres., '28; Scholarships, '25, '26, '27, '28; Rifle Club; Capt. Rifle Team, '28; Ex Post Facto, '28.

WILLIAM F. RIEDELL, B. S.

"Bill"

$\Phi \Sigma \Omega$

Electrical Engineering

A. I. E. E.; C. U. S. L., '23; I. C. Basketball, '25, '27, '28; Class Treas., '27; Junior Prom. Comm., '27; Senior Hop Comm., '28.



⌘



CHARLES F. RISAVY

"Charlie"

Architecture
Mention, 25.



HOWARD F. ROBERTSON

"Rob"

Architecture
Senior Hop Comm., '28.



FRANKLIN D. ROBINSON, B. S.

"Robbie"

ΑΤΩ

Civil Engineering

Asst. Make-Up Editor Cable, '27; Class
Secy., '27; Wrestling, '27, '28; Vice-Pres.
A. O., '28; A. S. C. E.



JOSEPH ROFMAN, B. S.

"Joe"

Civil Engineering
A. S. C. E.

'28

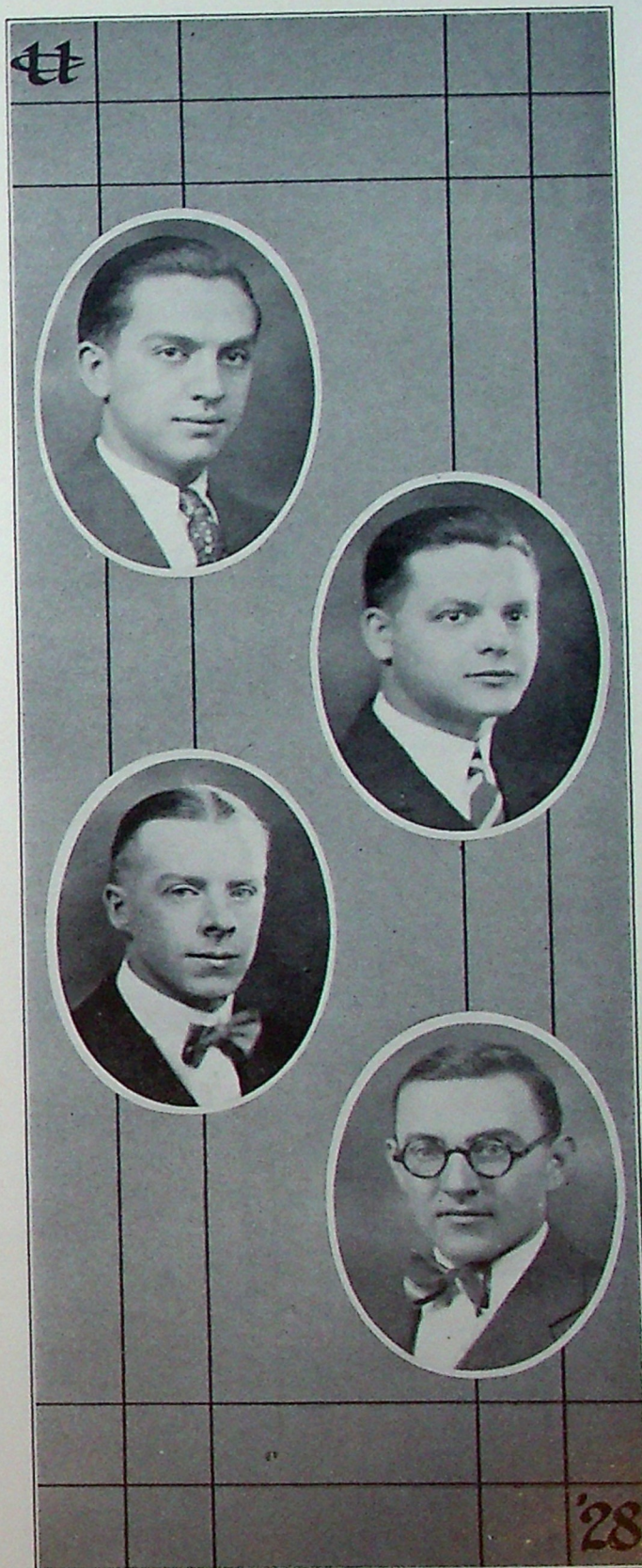


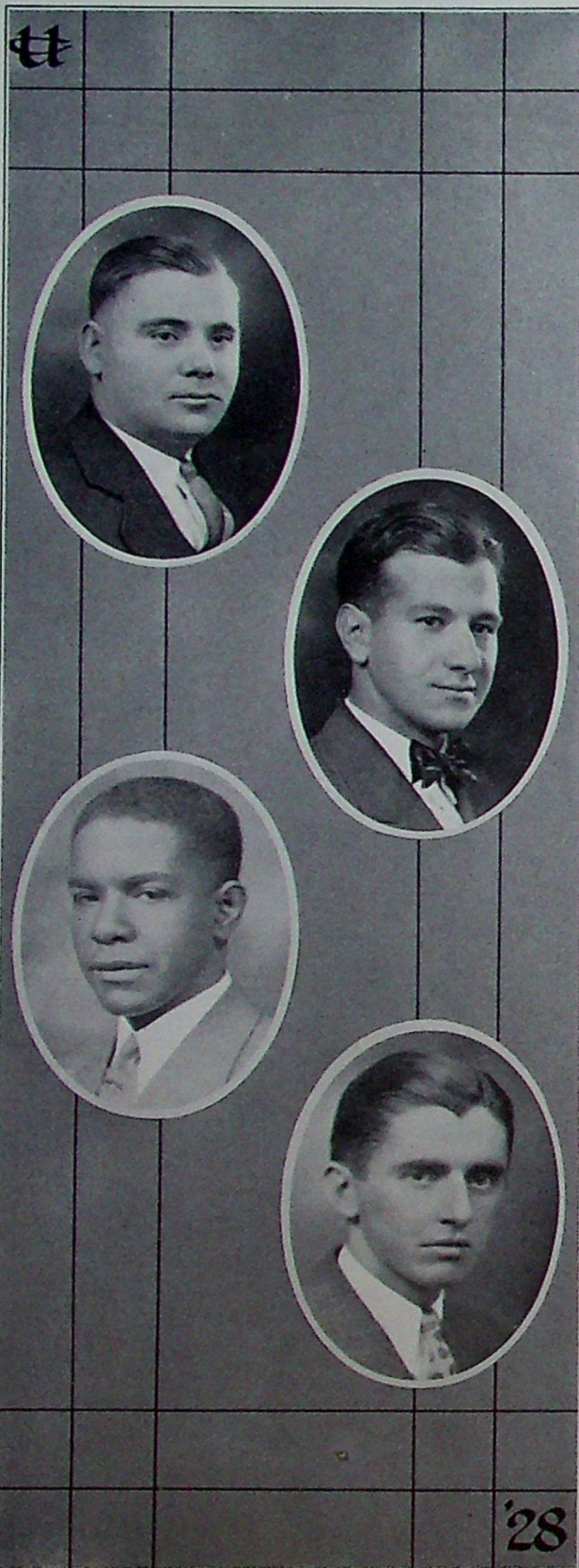
DAVID H. ROSENBERG, B. S.
"Rosie"
Civil Engineering
A. S. C. E.

CHARLES RUBY, B. S.
"Charlie"
Mechanical Engineering
A. S. M. E.

FRANK RYDER, B. S.
"Frank"
 $\Omega \Delta \Phi$
Mechanical Engineering
A. S. M. E.; Cap and Gown Comm., '28.

DAVID SALAGE, B. S.
"Dave"
Civil Engineering
A. S. C. E.



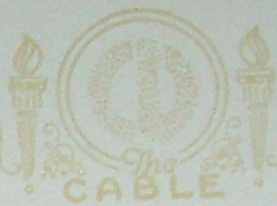


JOSEPH SALTZBART, B. S.
"Joe"
Electrical Engineering
A. I. E. E.

FRANK SANTILLI, B. S.
"Frank"
Civil Engineering
A. S. C. E.

ERIC SAUNDERS, B. S.
"Ernie"
Mechanical Engineering
A. S. M. E.

JOHN F. SCANLON, B. S.
"John"
Electrical Engineering
A. I. E. E.

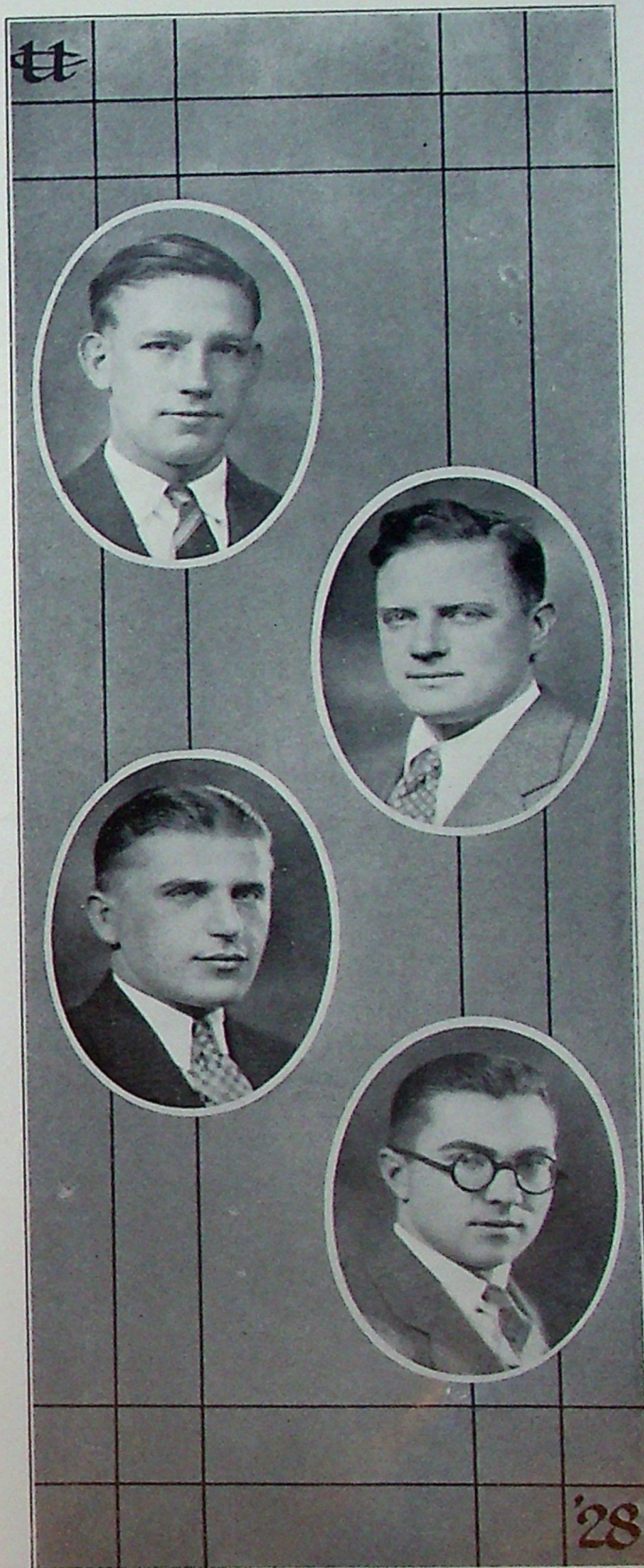


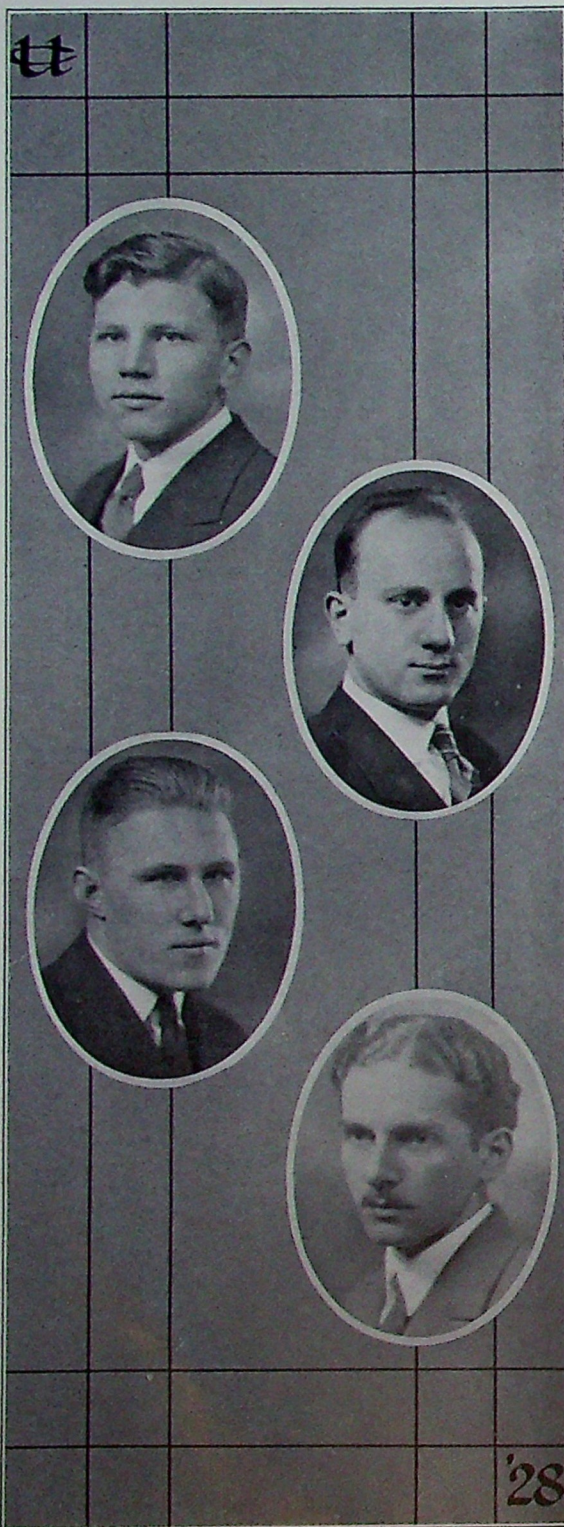
CHARLES C. SCHEIL
"Charlie"
Architecture

CHARLES B. SCHLESINGER, B. S.
"Schless"
Mechanical Engineering
A. S. M. E.

FRANK H. SCHNEIDER, B. S.
"Frank"
Mechanical Engineering
A. S. M. E.; C. U. S. L., '24.

FRANK SCHOFIELD, B. S.
"Frank"
Civil Engineering
A. S. C. E.





CHARLES SCHROEDER, B. S.

"Charlie"

Civil Engineering

A. S. C. E.

OSWALD SEGUSO, B. S.

"Ossie"

Mechanical Engineering

A. S. M. E.; Basketball, '23, '24; Varsity Club.

FRANK SIEDL, B. S.

"Frank"

Mechanical Engineering

A. S. M. E.

PERCY S. SIMON

"Si"

Architecture

Second Prize, '27.

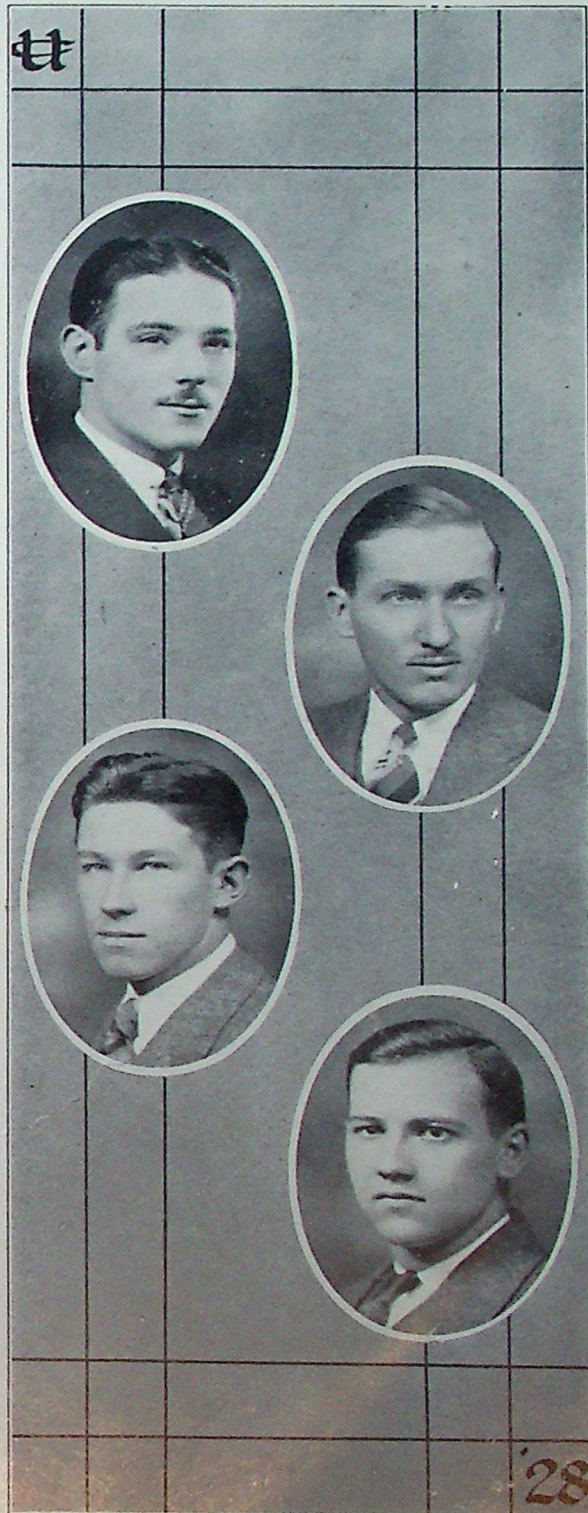


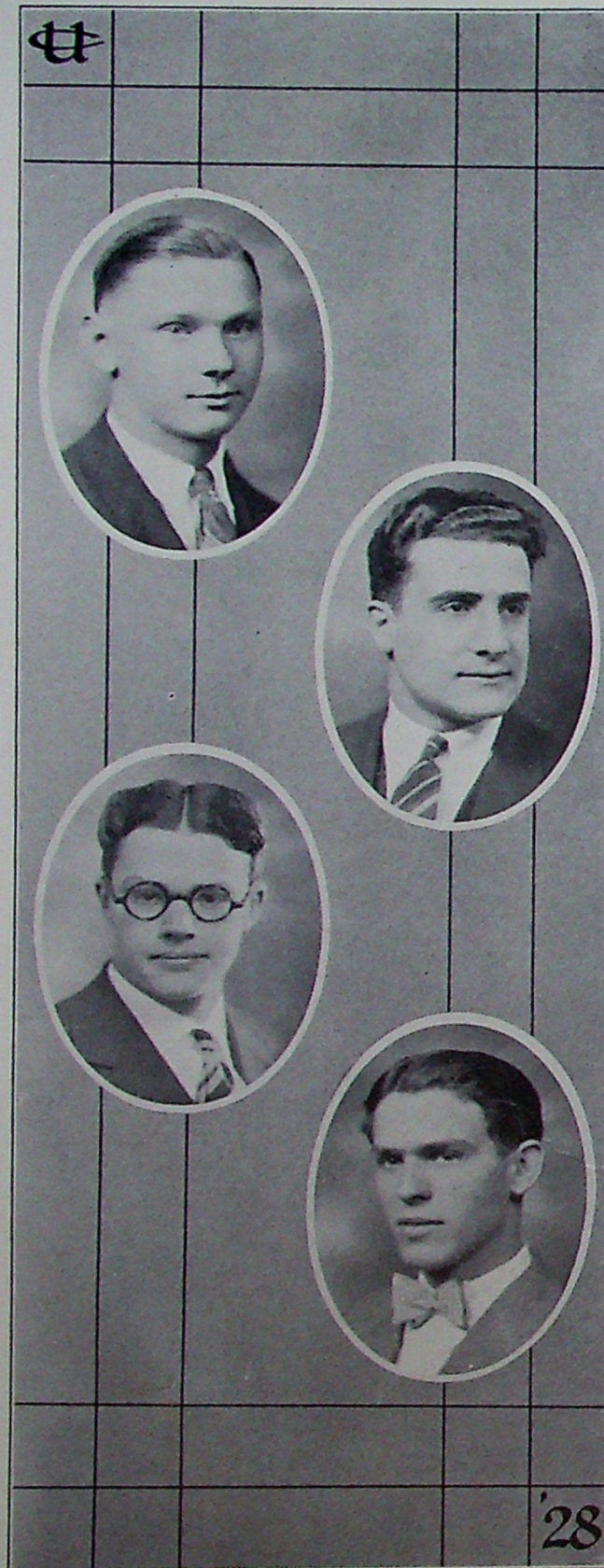
JULIUS SINGER
"Jule"
Architecture

PAUL A. SIPPEL, B. S.
"Paul"
 $\Sigma A \Pi$
Civil Engineering
A. S. C. E.

MAURICE SISK
"Moe"
Architecture
I. C. Basketball, '27, '28.

GEORGE SNYDER
"George"
Architecture





STANLEY SOLONEWITZ, B. S.

"Stan"
Civil Engineering
A. S. C. E.

SYLVESTER SPITALERI, B. S.

"Spit"
 $\Omega \Delta \Phi$
Electrical Engineering
A. I. E. E.

EDWARD F. STAVER, B. S.

"Ed"
 $\Lambda \Sigma K \text{ M A O}$
Mechanical Engineering
Tech.

Scholarships, '25, '26, '27, '28; Editor-in-Chief Pioneer, '26, '27; Make-Up Editor, '25; Class Vice-Pres., '26; A. S. M. E.

FREDERICK K. STIER

"Fred"
Architecture
Basketball, '28.

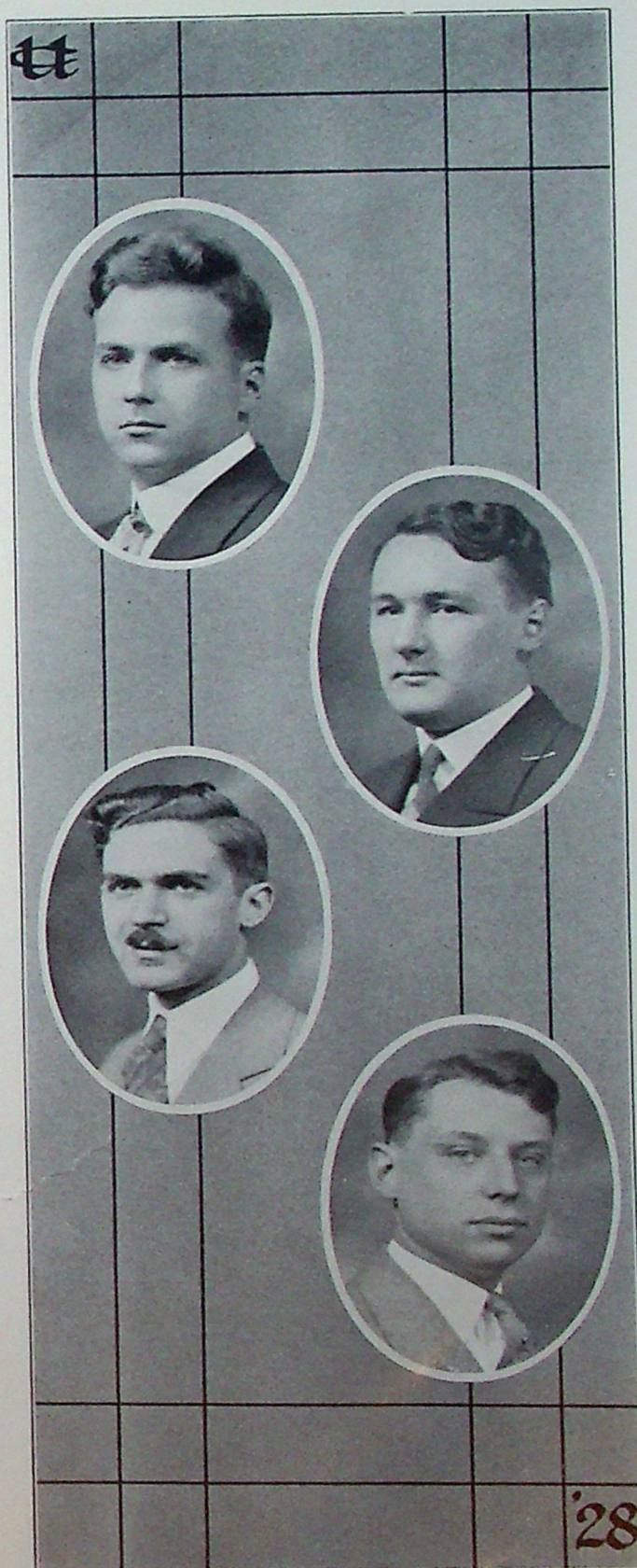


ALFRED W. STONE. B. S.
"Stony"
Electrical Engineering
A. I. E. E.; Class Vice-Pres., '26.

CHARLES SUTTER. B. S.
"Charlie"
 $\Omega \Delta \Phi$
Chemistry
Class Vice-Pres., '26; Class Pres., '27, '28;
Business Manager Pioneer, '27, '28; C. U. N.
S. C., '27; Pres., '28; Newman Club.

MARVIN TANNENBAUM. B. S.
"Tan"
Electrical Engineering
Tech.
A. I. E. E.; Conductor Tech. Orchestra;
Secy. Chem. Club, '27.

EDWARD O. THEN. B. S.
"Ed"
Mechanical Engineering
A. S. M. E.





44



ARTHUR THIEL

"Art"

Architecture

Class Vice-Pres., '27; Art Council, '27.



DOUGLAS THOMSEN

"Doug"

Architecture

Class Vice-Pres., '28.



HARRY TIEGEL

"Tee"

Architecture

Second Mention, '27.



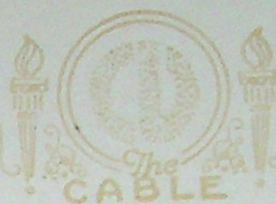
PETER TORRACO, B. S.

"Pete"

Mechanical Engineering

A. S. M. E.; Physics Prize, '25; I. C. Basketball, '25, '26, '27; Basketball, '26, '27; Mgr., '28; Pres. A. O., '28; Class Secy., '28.

'28

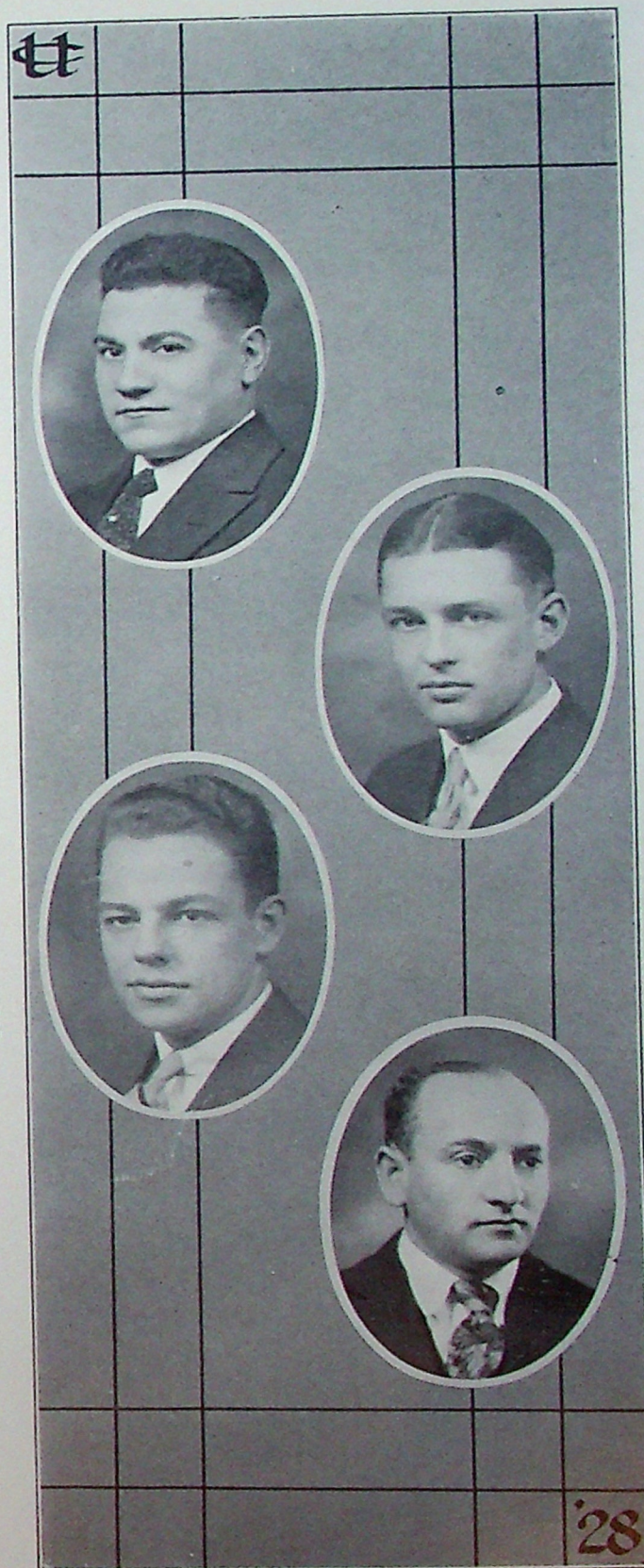


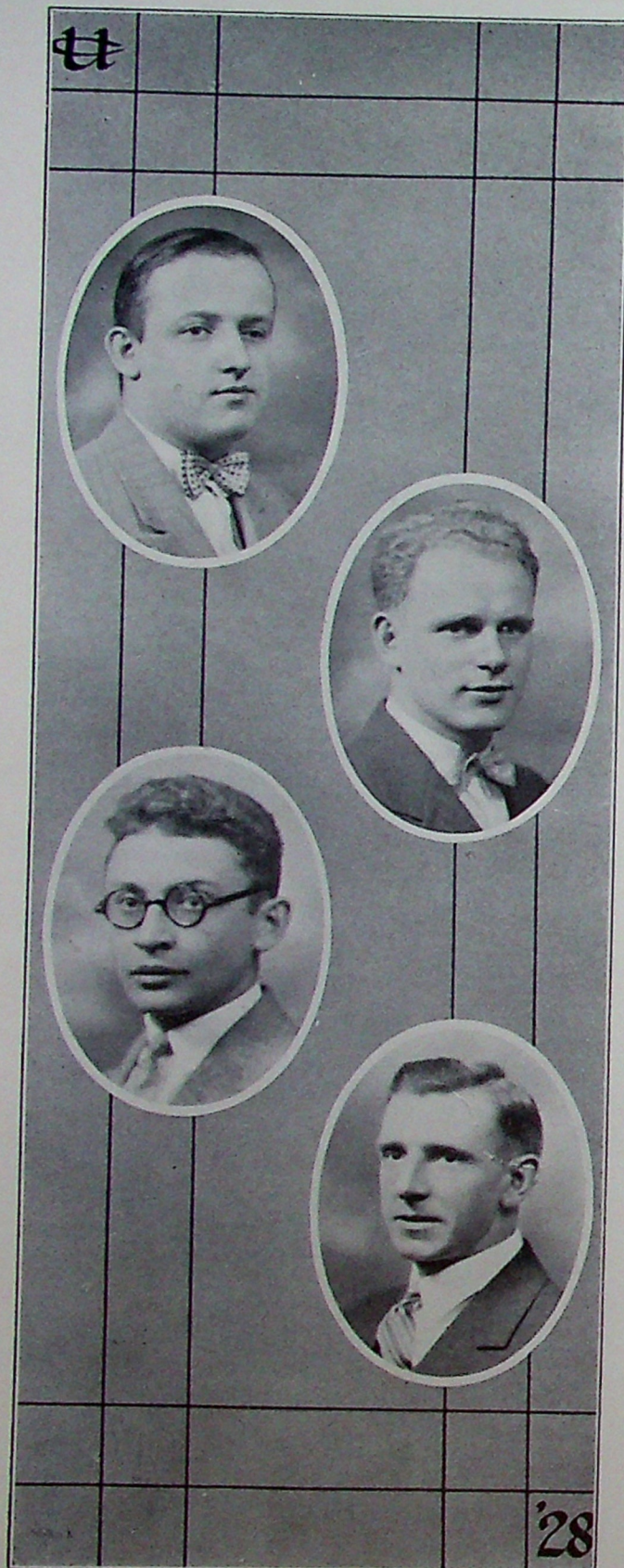
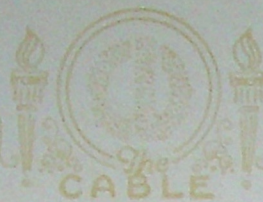
VINCENT TOSCANI, B. S.
"Tosc"
 Chemistry
 Class Vice-Pres., '27; Newman Club.

WILLIAM VANDERHOUT, B. S.
"Bill"
 ΣΑΠ ΜΑΟ
 Civil Engineering
 Tech.
 Scholarship, '26, '27, '28; Pioneer, '26, '27;
 Cable Board, '27; Class Vice-Pres., '27; Chair-
 man Junior Prom., '27; C. U. S. C., '27, '28;
 Rifle Club; Ex Post Facto.

CARL A. VILL, B. S.
"Carl"
 ΩΔΦ
 Civil Engineering
 Class Treasurer, '25; Secy., '26; Pres., '27;
 Staff Editor Cable, '27; Ex Post Facto, '28;
 Secy. A. O., '28; A. S. C. E.

ABRAHAM VINIAR, B. S.
"Abe"
 Civil Engineering
 A. S. C. E.





EDWARD VIRANO
"Ed"
Architecture
Second Prize, '26.

MAX WEINSTEIN, B. S.
"Max"
Electrical Engineering
A. I. E. E.

ALBERT WERTHEIMER, B. S.
"Al"
Electrical Engineering
A. I. E. E.

HAROLD D. WETMORE, B. S.
"Harold"
Electrical Engineering
A. I. E. E.

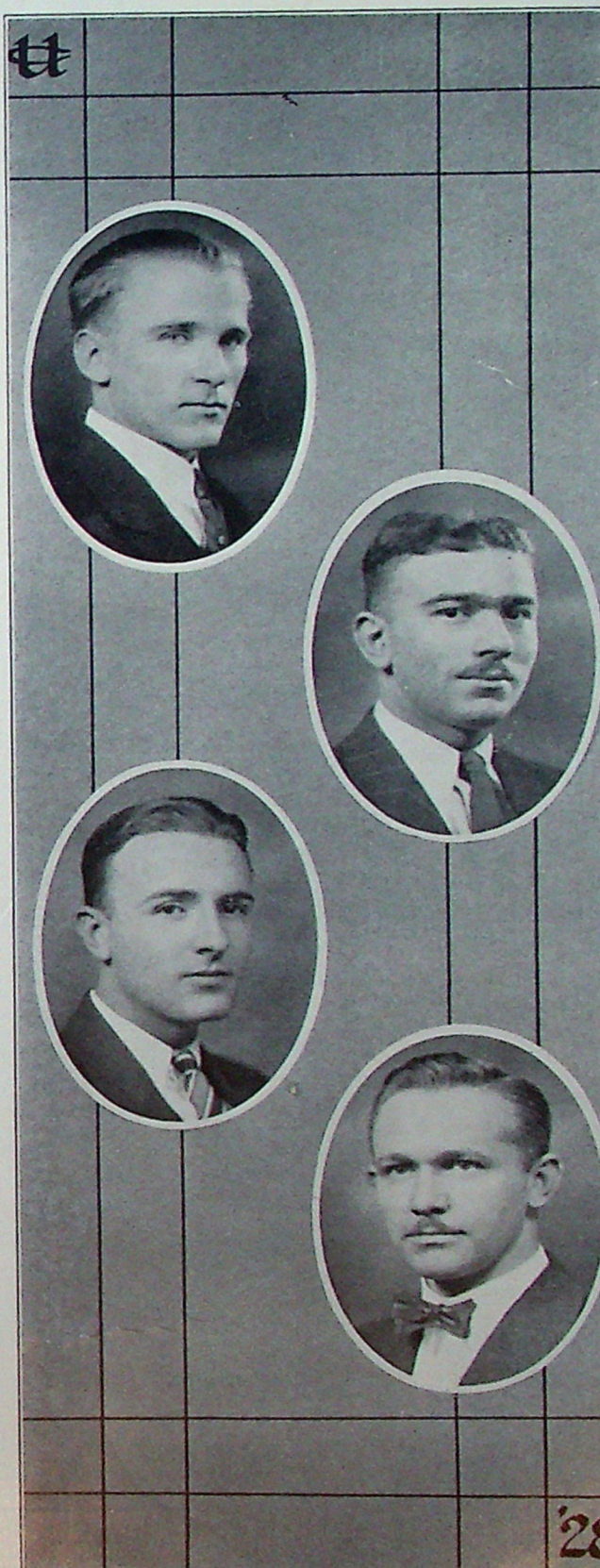


NILS G. WILLEN, B. S.

"Will"

Electrical Engineering

A. I. E. E.; Class Vice-Pres., '28.



AARON WINOGARD, B. S.

"Winnie"

Chemistry

Junior Prom. Com., '27; Senior Hop Comm., '28; Class Secy., '28.

HARVEY W. WOOD, B. S.

"Harv"

$\Sigma A \Pi$

Electrical Engineering

Tech.

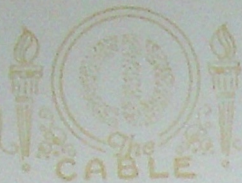
Basketball, '26, '27, '28; Pioneer, '26, '27; Vice-Pres. A. A., '27; Mgr. Basketball, '28; I. C. Basketball, '26, '27, '28; Rifle Club, '27; Class Vice-Pres., '28.

J. EDMUND WOODS, B. S.

"Ed"

Chemistry

Class Vice-Pres., '27, '28.



JOHNSON

The
1928 Cable Board

selects

*as the most active
Graduating Class*

The Class

of

ELECTRICAL
ENGINEERING

of

1928



FRIEDL



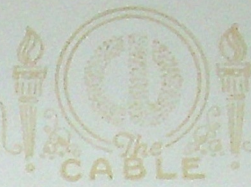
FRITSCHI



RIEDEL



MOLLERS



JUNIORS



NINETEEN HUNDRED and TWENTY EIGHT



GENERAL SCIENCE, 1929



President

HERBERT J. LABER

Vice-President

CHESTER E. VOORHIS

Secretary

SOLOMON GENDEROVSKY

Treasurer

FRED W. NAUJOCK

WE COME again to the end of a school year bringing our gifts of study and service to enrich the soul of dear old Cooper. With the true spirit of engineers we pause to gaze in the mirror of the past hoping to find therein some reflection of the future.

In keeping with our custom during previous years the class has again played a leading part in extra-curricula activities. The nature of these activities has changed bringing greater responsibility with each succeeding year, but we may state within the bounds of modesty that the work has been well done. THE 1928 CABLE speaks for itself. Its excellence will long remain a standard in the life of Cooper's annuals. The honor and distinction of supplying the students for the four managing positions of the CABLE Board was awarded to our class. In addition, not only have we subscribed one hundred percent to the *Pioneer*, but we have also contributed various articles as food for thought to its readers.

The Class basketball team, champions of last years basketball tournament, has again entered the lists. They have not yet met defeat and are displaying all of their former prowess, but the outcome of this part of the story will not be history until next year.

Those who attended the Junior Prom will not soon forget it. There was an affair which fulfilled its greatest promises. Nothing which might have made the evening more pleasant was omitted.

And so the mills of the Gods grind slowly, moulding the grist of our youth into finer manhood. Each year finds us more fully prepared to fight the battle of life because of the great gift our FOUNDER, PETER COOPER, has bequeathed us.

THE HISTORIAN



ELECTRICAL ENGINEERING, 1929

President
OTTO C. BLEICHER

Vice-President
WALTER KALIN

Secretary
HAROLD W. JOHNSON

Treasurer
SPRAGUE J. FULLER



WELL, now we know how it feels to be Juniors. It took us four hard lean winters but here we are. And rightfully proud are we of our past performances, both scholastic and otherwise, as we now round into the home stretch.

Our first year was a hog-pog of bewilderment and strangeness but we came out of our trance in the second year and held a theatre party and dinner, fond thoughts of which still linger on.

Our third year saw members of the class more active in student interests and was drawn to a fitting close by a dinner dance which to us who attended will live on forever.

As for this year the climax was reached in the holding of the Junior Prom, a riot of color and light-hearted gaiety. It was the Prom, so long looked forward to, and so long in being fondly looked back upon; a high spot in our school career.

As for the activities throughout the year we can claim representation on the Student Council, the CABLE Staff, and a good many of the athletic teams of dear old Cooper.

With our school record again approaching its yearly climax we prepare to close the chronologue in the hopes of again opening it and bringing it to a fitting conclusion at the end of the year yet to come.

THE HISTORIAN



CHEMISTRY, 1929



President

FRED W. K. MILLER

Vice-President-Secretary

GEORGE H. LOCKWOOD

*A*NOTHER milestone has been passed on the Highway of Life and many new secrets have been unfolded to the group of willing and earnest workers here represented.

As in previous years, the prevailing spirit characterising their work has been sincerity of purpose. The possession of a feeling of pride and satisfaction in a task well done and a year profitably spent, is theirs, and is due, in no small measure to mutual observance of the spirit of the above quotation.

There has been born, with the passing of years and the more or less continual association and contact with one another, a certain feeling of comradeship, of kinship, if you like, between these young people. Old campaigners as they are, there are many recollections of triumphs won together, and memories of an occasional rough spot which they have experienced together along the Trail during the last five years.

They are reasonably well represented in the social and student activities of the school, but have been primarily and above all things, students.

In accordance with the usual custom, an evening was set aside, during the school year, that the group might enjoy a period of recreation together. Needless to say, splendid results were obtained, and happiness reigned supreme.

The Junior year having been successfully completed, they are looking forward with a particular pleasure to their Senior year with its promised store of knowledge and its destinies to be fulfilled.

THE HISTORIAN



CHEMICAL ENGINEERING, 1929

President
KARL DREYER

Vice-President
MILTON HOLDEN

Secretary
JOSEPH PEARLSTEIN

Treasurer
HAROLD DEHART



THE FALL of 1924 marked a new epoch in the already illustrious history of our Alma Mater. Greeting the announcement by the faculty of a new course of study, some fifty adventurous souls affixed their signatures to the roster of the Chemical Engineering Course. Not only were they to receive the usual instruction in Chemistry but many additional subjects were promised. With the intricacies of Thermodynamics, Mechanics, and Calculus to be mastered is it to be wondered, that many succumbed during this arduous task?

The sturdy twenty who remain, however, have established themselves firmly in the scholastic body and have been accepted as an integral branch of the Engineering School. The popularity of this course of which we are proud to be pioneers is easily attested by the large enrollment of the classes which followed.

It was inevitable that some outlet be found for the gay spirits so firmly held in leash. So precious time was allotted each term to one night of pleasure. A theatre party to see "Sunny" and then to the Hofbrau, a dance in the Village the following year, then a Stag party, all helped enormously to lighten the burden of toil. As Juniors, with a little more courage and complacency, the carefully planned Prom afforded much satisfaction and pleasure by its brilliance and lavishness.

THE HISTORIAN



INSTITUTE OF TECHNOLOGY, 1929



President

WILFRED HENSCHEL

Vice-President

ANTHONY J. RUDGERS

Secretary

MICHAEL POWSNAP

Treasurer

EMANUEL A. SALMA

A LONG TIME ago, or so it seems, the present Junior Class began to make history in Cooper Union. The first few pages of this chronicle are somewhat obscure due to the chaff that had blown in with the good hard grains.

By the second year, however, the undesirable element had been weeded out and although this process may not have left an excess of sweet cream, the juniors, the modest things, believe the residue to be a high grade of condensed milk. The Sophomore Theatre Party and Dinner, held after a fortnight of exams, marked the first relaxation of this hard working group.

Came the new year, and lo! we were Juniors. To celebrate such an important metamorphosis the Junior Prom was held. Was there ever a more colorful gathering of enthusiastic youth?

One of the "Pioneer" achievements to the credit of this class is not easily overlooked. This group holds the distinction of being the first in the history of Cooper Union to edit a Freshman issue of the "Pioneer". That issue is still talked about when newspapermen gather to reflect upon past glories.

The long hard stretch has been successfully covered for the third time. "Are we down hearted"? Now all together boys "Bring on the Senior Year."

THE HISTORIAN



ARCHITECTURE, 1929

President
FRANK A. MULLER

Vice-President
ARTHUR MILLER

Secretary
STANLEY LUM

Treasurer
ALBERT J. LEGUORI



THAT WHICH is well earned is well worth having." This old saying certainly never fails to run true to form. Each year as we advance, the road becomes rougher. But, as we advance, don't we get just a little more satisfaction than before?

You may recall our first year in Cooper Union. How hard it seemed to finish our work on time. We were just becoming acquainted with one another when the term ended.

Our second year was devoted to work a little more difficult and a great deal more interesting. A few devoted some of their time to athletics. The climax was reached in the never-to-be-forgotten Sophomore Hop.

Now, in our Junior Year, we feel as though we really were part of Cooper Union. As a class, our usefulness was felt in the different activities of the school. We had men on the CABLE Board, *Pioneer Staff*, Football Team and Basketball Team, and on the Junior Prom Committee.

The grand finale, meaning of course the Junior Prom, is gone but not forgotten. On this glorious occasion we threw all our worries aside for an evening and enjoyed ourselves to the utmost. It all seemed to end too soon. 'Tis just to be remembered as another page in the book of school life.

When this term is ended we can all say that we worked earnestly and tirelessly but not in vain, for what we have earned is well worth having.

THE HISTORIAN



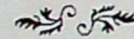
MATHEW E. ADAMO

"Mat"

Chemical Engineering

MAT is the wonder of the class. During every lecture he tells himself such good bedtime stories and absorbs them with such sincerity that the end of the lecture always finds him fast asleep and far away. He is credited with having copied down a complete lecture at one time but he claims that that was a nightmare and that he couldn't help but copy it down. Such is the power of the sub-conscious mind.

We found out, though, that Adamo lives in Astoria, which may explain his ability to sleep at any lecture, for half the people in Astoria don't go to bed at night and it's hard to get a good night's rest.



ALEXANDER C. ALTIN

"Al"

Mechanical Engineering

A. S. M. E.

ALTIN is one of those chaps who lives for an argument. We feel that he would have made an ideal lawyer and it is said that he contemplated the study of civil law until he heard of Cooper's fame.

One of his hobbies is to convince his neighbor that his theory is entirely wrong. He is in the printing machinery field and we hope that when better printing machinery is designed that Altin will design it.





RUDOLPH ARONSON

"Rudy"

Architecture

"**T**HERE HATH bettered expectations."

"Talk about luck," there is no such phrase in "Rudy's" life, for he says, "all things that are done are not matters of luck, but of thought and the will to do what is right."

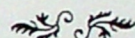
It was well agreed upon by his fellow classmates that his work has shown a constant improvement and much of it was due to thought, and the will to do the right thing.

"Rudy" gave us a little thought, which he says, helped him to succeed in his work, and that was,

Will to do right,

Thought to accomplish facts, and

Strength to bear might.



REGINALD ASH

"Reggie"

Civil Engineering

A. S. C. E.

"**T**HERE IS one fellow, a real man too, who nevertheless we feel ought to have been one of the weaker sex. Just take a look at that head of blonde hair, that typical school-girl complexion and wot-not. Where is the man who would not lend an eye to this image we have created?"

Ash is afflicted with that hateful studiosis. He is one of those chaps the Profs can always count upon to help out the less fortunate members of the class. A quiet chap, always mindful of his own business, ready to help when the occasion arises and a good Cooperite,—such a person is Reginald Ash.





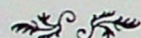
WILLIAM BECHTOLDT

"Bill"

Chemical Engineering

BILL, a quiet, scholarly chap, with a personality that is distinctive, and which has gained for him the respect of all with whom he has come in contact, began his studies at Cooper after attending Bushwick High and Pratt Institute. As an ardent student of the natural sciences, Bill is especially interested in zoology and allied sciences.

As a student of chemistry he has displayed his power of using cold analytical reasoning with great success. It is rumored that Bill intends to use the mass of acquired information to assist him in becoming a plumber. Just how, is a matter of justified conjecture, but we feel that Bill is the boy to do it.



NICHOLAS BILOTTA

"Nick"

Civil Engineering

Soph Hop Committee

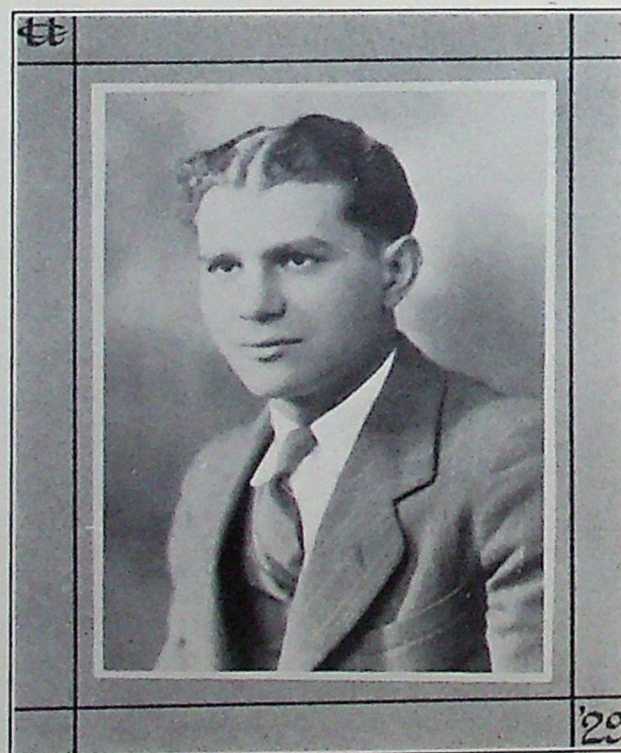
A. S. C. E.

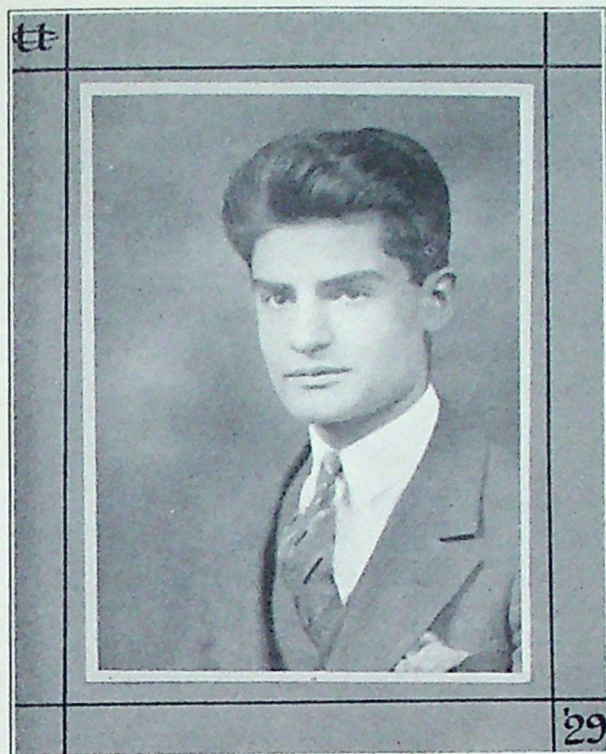
NICK hails from the distant Bronx, where women run wild and pretzels are bent. He has the reputation of being able to laugh the loudest when the Prof. makes an attempt at a joke. Nick's motto is "laugh and you pass," and as yet we have not seen it fail.

A second thought leaves the impression that together with hard work he has been able to stand the gaff.

His specialty is making jewelry, and so when Spring is here and your Xmas jewelry has turned green you may blame it on Nick. We won't mind.

Say, Nick, will you ever stop finding mistakes in the textbooks?





JOHN F. BIVONA

"John"

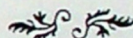
Ω Δ Φ

Electrical Engineering

Technical Editor Pioneer, '26; Rifle Club, '26-'27; Interclass Basketball, '27; Tech. Pioneer Circulation Manager, '27-'28; Asst. Basketball Manager, '27-'28; A. I. E. E.; Junior Prom Committee, '28.

LIKE the old fashioned oil-lamp, John goes out nights and smokes. He is the proud possessor of an English pipe which he *displays* on every possible occasion. And as for going out nights——well,——we don't want to queer him with the folks.

Besides being an up-and-coming engineer, John is showing great development along artistic lines. He is at present engaged in a study of "The Art Student—Her Likes and Dislikes," and lunch time always finds him gathering material for his researches along those lines.



OTTO C. BLEICHER

"Bob"

Ω Δ Φ

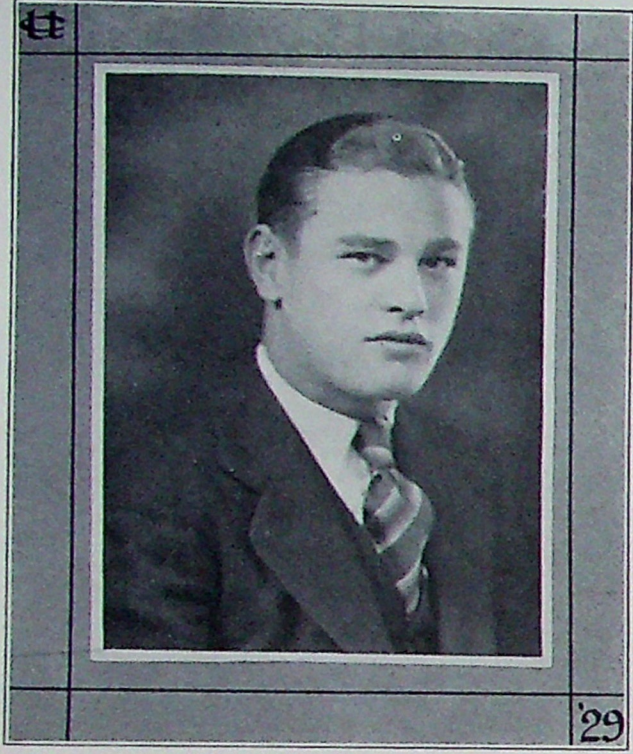
Electrical Engineering

Vice-President, C. U. N. S. C., '28; Football, '26-'27; Class President, '28; I. C. Basketball, '25, '26, '27; Class Comm., '25, '26, '27; Athletic Ed. Cable, '28; Ex Post Facto, '29.

BOB" comes from the wide openspaces of Astoria, where women are women and men are football players. For it takes a good football player to get on the subway from Astoria and this daily tussle gave "Bob" all the practice he needed while the football season was on.

"Bob" is also a class politician, and with careful management and a derby hat should some day be running Tammany Hall.



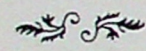


JOHN G. BOUQUIO
"John"
Civil Engineering
Tech.

IT WAS just three years ago that a little boy came to the Cooper Institute of Technology to find out what it was all about. This boy was none other than our own "John," who has now grown to more sizeable proportions.

John's specialty is curves and proportions, and he sure can derive the equations of the various curves studied in the calculus class in addition to other curves that are more extensively studied elsewhere.

For "John" is our own little Don Juan and we hear that after John finishes his home work he stays up the rest of the night writing to his girl friends. Well, it's his own fault if he can't catch up on sleep.



RICHARD BOWER
"Dick"
Architecture

DICK is one of the married men of the class. His occupation is bricklaying and he is becoming a draftsman. His first nights at school, he found it quite difficult using the triangles, T square and instruments, being accustomed to handling bricks. But he certainly has improved his draftsmanship and now he is in the class of average draftsman. Keep it up, Dick, you're going fine.





GEORGE S. BRAND

"George"

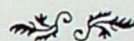
Mechanical Engineering

A. S. M. E.

WHEN Dan Cupid fires his arrow at Brand we hope it will take effect, as it is the opinion he would make a handsome Benedict.

Gentleman and Scholar; always ready to share information with his classmates, does not fully describe this Cooperite.

As time rolls on and great things are accomplished the name of Brand will no doubt come into its share of appreciation and fame.



EUGENE W. BRASS

"Gene"

Civil Engineering

Entertainment Comm., '24; Junior Prom Comm., '26; Asst. Football Mgr., '26; Football Manager, '27; A. O. Vice-President, '26; Class Vice-President, '26; Editor-in-Chief "Cable," '26; Chairman "Ex Post Facto," '27.

GENE is a big little man around Cooper. A single glance at the above array of activities will serve as an impetus to those of us who shirk extra-curriculum activities with the plea of not having time to study.

His work on the 1927 Cable will never be forgotten by his associates and his steadfast support of the Athletic Organization has made his slightest criticism turn to words of weight.





EDNA BRESLAWSKY

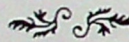
"Edna"

Chemical Engineering
Tech.

THE OF the Junior Class deem it quite fortunate to have the distinguished honor of having one of the fairer sex in our midst, which is indeed a rare occasion in the Engineering School.

We do not consider ourselves fortunate, inasmuch as we have a lady in our group, but because she is different than others, she has that all-pervading atmosphere about her, which makes us consider her as one of the rest of us.

Unfortunately! as a C.E., M.E., or an E.E., would say she's taking Chemistry! and consequently their contact with her is not so frequent, but treasured nevertheless.



MAX BUCHLER

"Max"

Electrical Engineering

Assistant Circulation Manager, 1928 Cable.

BUCHLER is sure making a mistake in choosing Engineering as a profession. We all agree that he should have been a bill collector, for he sure does know how to squeeze hesitating quarters out of the pockets of those of us who are habitually tardy in paying off our financial obligations.

When we need money and can't raise it, we call on Buchler and he sure can make us pay. We feel grateful for his efforts and want to thank him for his results.





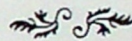
FREDERICK BUCHSBAUM, JR.

"Fritz"

Architecture

THERE IS Fritz, the chap renown,
A contender for an architect's crown,
And with his angles, T square and curves,
From this object he never swerves,
For he is out to make a name,
Also "jack," success and fame.

He struggles and strives for an engineer,
With never a thot for a glass of beer,
(We put that in to make this rhyme,
And hope you'll forgive us just this time),
And so with this noble end in view,
We know he'll go up, and darn high too.
All we wish him is good luck and good
health,
And a pretty good share of contentment
and wealth.



JOHN J. BURNS

"Burnsie"

Mechanical Engineering

A. S. M. E.

JERSEY CITY, besides turning out a large quantity of itchy underwear, also turns out John every morning. Having nothing else to do, he comes to class.

His employer's slogan, "The voice with the smile wins," is constantly reflected by this individual.

His success at this institution may be attributed to his hard work and the above slogan.

The excuses Burns offers for tardy assignments are a sure sign of genius.

His favorite hobby is nodding at a lecture, thereby confirming the statements which relieves the professor considerably.





MICHAEL BURRIELLO

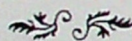
"Mike"

Civil Engineering

A. S. C. E.

*Many a gem of purest ray serene
The dark unfathom'd caves of oceans bear.*

BUT IF these gems were solutions to some abstruse problem in Hydraulics, Grey's famous lines would be somewhat inappropriate. For no man seems to find greater delight in ferreting out such elusive answers as our dear friend Burriello. It is rather inspiring to see so much energy manifested by this small man, and we wonder how much he might accomplish if he had been a six footer and his fund of energy proportionately greater.



NICHOLAS CAGGIANO

"Nick"

Civil Engineering

A. S. C. E.

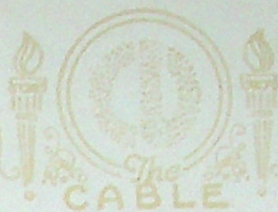
YEAH, I'm building that new bridge across the Hudson River. Been on the job since last summer. Oh, yes, we're making great progress."

Whenever that line of conversation is being wafted into the air look sharp as well as down and there you will find Nick himself.

While Nick does not shine as an athletic luminary he does in the scholastic sense. He is forever crossing out paragraphs in the text which he says are not up to "standard". It has leaked out that he stores his athletic prowess for the amusement of the family.

Nick is an example of the old adage, "All good things come in small packages."





H. CLIFFORD CLARKE

"Bus"

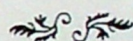
Ω Δ Φ

Civil Engineering

Class Vice-Pres., '24, '25, '26; A. O. Pres., '26; Football, '25, '26, '27; Wrestling, '27; Basketball Mgr., '27; Varsity Club; Junior Prom. Comm., A. S. C. E.

HERE we present for your admiring glances the one and only "Bus", who by the way is the only chap in school with nerve enough to come to class displaying his "Tux". He told us at the time that he was going to a dance later. Trained as we are to take everything we hear with the proverbial grain of salt, we just nodded and let the excuse pass.

A stitch in time saves nine!



WILLIAM A. CODY

"Bill"

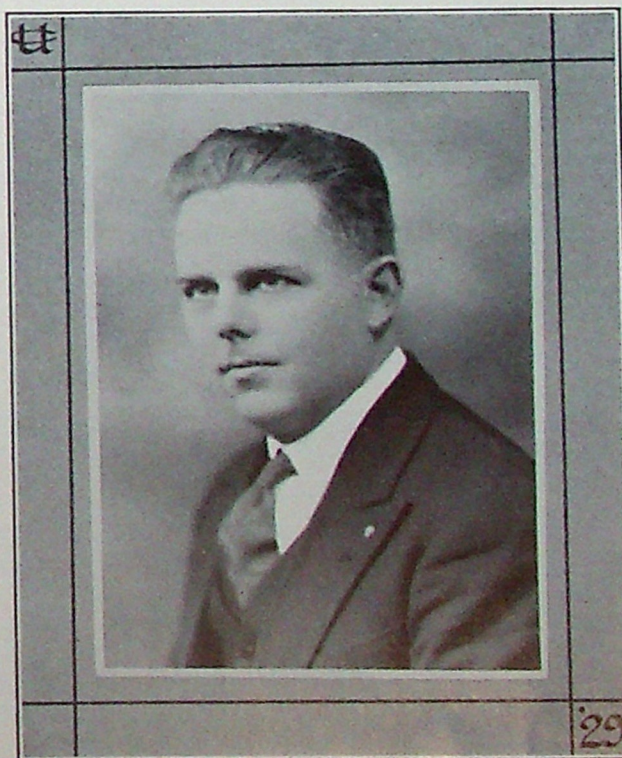
Mechanical Engineering

Newman Club

A. S. M. E.

IT WAS a mystery to everybody when they were handed back their drawings all marked up by the instructor. The mystery has been solved only recently. The reason being that Bill does all his in ink and thus shows up the defects in the others.

Bill is an inquisitive chap and one night asked the Prof. if he could tell him how to best study Mechanisms. The answer may be had by applying to the board of censors. We have noticed lately that Bill asks the said Prof. no more questions.





CHARLES H. COLES

"Professor"

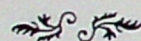
Electrical Engineering

A. I. E. E.

Class Secretary, '26.

WE have hopes of seeing Coles some day in the far future with a long gray beard and glittering eye, gazing far out into the blackened depths of a star-specked heaven and musing over his notes and computations. For to him goes the honor of being the class astronomer and weather prophet. He can tell when old lady Venus or old boy Mars is due for another visit, why the sky is blue and the sea is salt and all the other crazy questions used as advertising material for the Encyclopedia Britannica.

His principal occupation is to act as referee of his lab. squad.



CHARLES CRAMER

"Charlie"

Chemical Engineering

Football, '25, '26, '27; Treas. A. O., '28; Wrestling, '27.

WE HAVE heard all about why girls leave home and why chickens cross the street, but we've yet to find out what made Charlie come to Cooper.

For with his ability to collect money out of empty pockets; other people's pockets; he should be selling Florida swamp land or California gold mines instead of being content with just trying to induce the rest of us to pay for our A. O. tickets.

Aside from collecting money, Charlie's favorite pastime is football and he sure can help to make each game a real good scrap.





WILLIAM CSAK

"Bill"

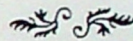
Electrical Engineering

Tech

Tech Editor Cable, '28; Ex Post Facto, '28.

ALONGSIDE is the countenance of one of the unluckiest fellows in the Tech—Tech Editor of the 1928 CABLE. But Bill stood through it bravely and made a good job of it—one of his characteristics.

Bill for some reason or other, as yet unknown—or maybe it's because "that certain girl" lives there—resides in Staten Island. There he sometimes blankets the Island with static from his radio station 2ADJ. For Bill, being a versatile fellow, is also a "ham", yes indeed. Now you know what has been the matter with your set lately if you live near the Island.



JOEL H. CUTLER

"Cutler"

Architecture

THIS man has more ways of saying the same thing than anyone else we have known. He usually makes a statement so long that one has to walk away and come back to get a word or two into the conversation.

But he really is a man of strong determination, anxious to complete his work. Not a night passes that he is not seen working after the bell has rung.



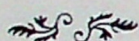


ROBERT DAWSON

"Bob"

Architecture

BOB sure has it on everyone else in the class—when it comes to height. He does not have to climb the elevated steps; he just pulls himself up. He sips his coffee, fellows, about 74 inches above the datum level. We also believe that the reason he has not tried for the basketball team is that he would be individual high point scorer.



JOHN DEARIE

"Johnny"

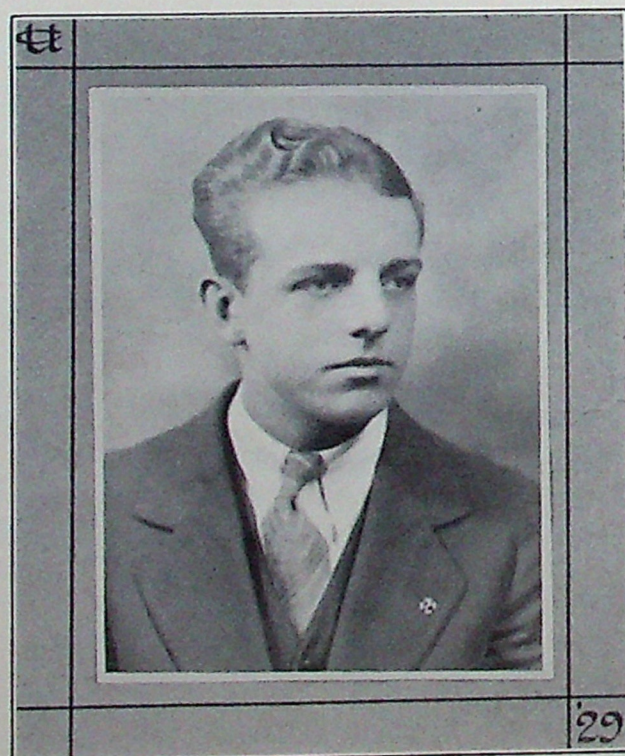
Architecture

Track, '27.

JOHN Dearie's a blonde,
He's handsome and tall,
When he rides in the subway,
All Janes for him fall.

When the girl across the aisle,
Looked over his way,
He blushed up to the ears,
But had nothing to say.

He went to the Library,
To take out a book,
But the girl at the desk,
Struck him dumb with one look.





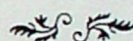
HAROLD G. DE HART

"De"

Chemical Engineering

Class Treasurer, '28.

DE entered our ranks three years ago, from the Tech, where he distinguished himself as an officer of the Freshman Class, and a member of the school orchestra. Finding that he had too much spare time on his hands, De changed to the night course, where he was sure of having his mind occupied. As class treasurer, he may be seen any night of the week, consulting his black-list and tables of probabilities, then trailing and snaring an unwary victim, abstracting a desired shekel, and depositing a white ticket as a token of success. It is said that De's ultimate ambition is to teach, and for such an ambition we say, in lapsing into the vernacular, "may he know his onions well, Selah."



JAMES D. DENARDO

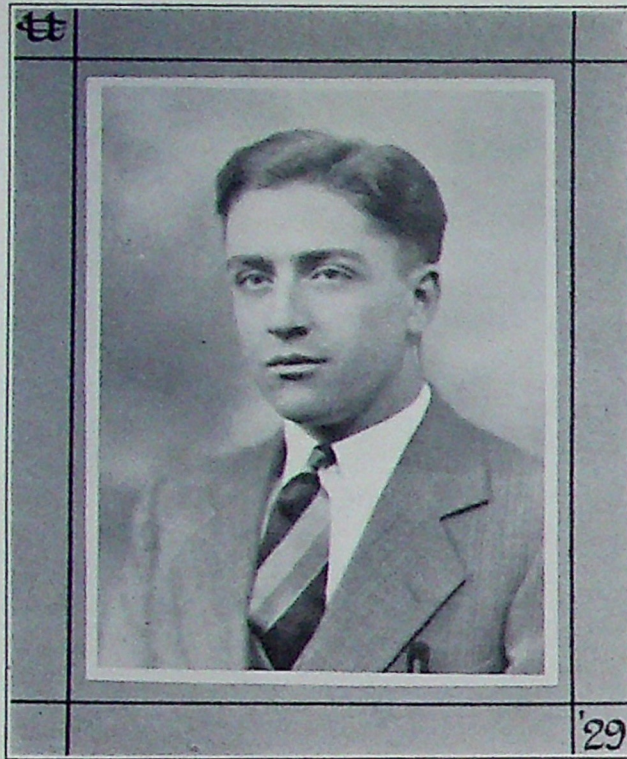
"Dinny"

Electrical Engineering

CURIOUSLY enough, Denardo does not bear the usual mosquito bitten look of the normal Jerseyite. Perhaps the insects respect a brother being, who from all appearances, lets not one meal escape him.

Ever since Denardo made an "A" in Mechanics he has retained the respect and awe of his fellow classmates. Engineer Denardo is a just and fitting title for one who demonstrates such a phenomenal insight into that subject.





SALVATOR DE TERESA

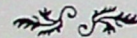
"Sal"

Architecture

Basketball, '27; Football, '27.

SAL takes quite a trip each night, all the way from Rosebank, S. I. We sure do give him credit for having that much ambition.

He is very quiet and we have been unable to find out the cause of his solitude. Whenever we see Sal, he is alone. He looks cheerful enough and smiles when greeted, but somehow is too reserved. Come on, Sal, let's have it.



KENNETH DE VOE

"De"

$\Sigma A \Pi$

Electrical Engineering

Tech

Class Secretary, '28.

HAVE you ever heard of that far-away land of White Plains? Well, the New York Central has the honor of making accommodations for this young man every time he wishes to attend his classes at school. "D" is one of those quiet fellows who does not let women interfere with his work. However, when it's time to go for a little recreation, for instance, a dance, he certainly has a taste in picking out his partner. Aside from this quality his work in school activities has earned him a place among fellow students of high regard and he certainly is one real fellow.





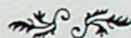
FRANK DI FUSCO

"Di"

Electrical Engineering
Tech

DI, to our knowledge, is to-day the sole existing member of the Tech. six year club. He has been in Cooper so long that he even knows the secret of making the janitors smile. Each year "D" has watched the evolution of the Women's Art School—shall we say raiment? And now comes word that he has applied for a life term.

There are two things that "D" does well—and neither are taught at Cooper. Some day he will become a grade A night watchman; he sleeps so well in the daytime.



JOSEPH DI MARIA

"Di"

Civil Engineering

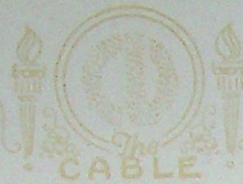
Football, '24, '26; Wrestling, '26, '27.

A. S. C. E.

JOE, alias "the whirling demon," is a terror on the wrestling mat. It is also reported that he can wrestle a plate of spaghetti into his organs in two minutes flat, a record we think any college man could be proud of.

For the past few years the football field was the center of Joe's attention. Whenever the whistle blew, Joe was in there tearing and ripping the way open for his team. Here as well he sets the standard. Well, what tin is to Ford, Di is to Cooper Union.





KARL DREYER

"Karl"

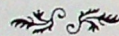
Ω Δ Φ

Chemical Engineering

Class Pres., '28; Junior Prom. Comm., '28;
C. U. Tennis Club; Annual Affair Comm., '28.

KARL is one student who believes in utilizing every spare moment for study. In the subway, on the street car, and before sessions, he may be seen deeply engrossed in—"Colliers". However, unlike many students Karl believes in studying a little. Nevertheless Karl is a very bright lad and to hear him speak of rectifiers, eliminators, etc., one would consider him a potential Edison or De Forrest.

Karl's hobbies are radio and motoring and as a collector he is without a par. His rare collection of burnt-out radio tubes and summonses for speeding is considered one of the finest in these parts.



LOUIS EDELMAN

"Louie"

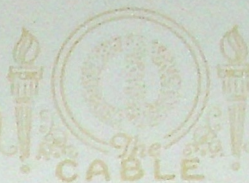
Architecture

LOUIE comes from Newark, N. J., and is quite a chap for his size. He has a pleasant personality and has many friends in the class.

Someone must help keep up the class spirit and we certainly thank Louie for his endeavors.

We also know that Louie does not go home immediately after class on Wednesday nights, as he usually rushes off to make a train home before the bell. Be careful, fellow.



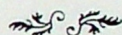


CHARLES ELSTE

"Charlie"

Electrical Engineering

LIKE Rockefeller, Elste works for the Standard Oil Company. He hasn't made a million yet nor does he give out brand new dimes, but he has already chosen the proper atmosphere and is no doubt already planning toward such an ultimate goal. If his aspirations should be attained we who own or expect to own new Fords hope that he will not forget his fellow classmates and give us all free service passes for any of the filling stations marked "SOCONY". All in favor say "Aye".



ELMER F. ENNIS

"Ennis"

Ω Δ Φ

Electrical Engineering

Newman Club; I. C. Basketball, '26, '27; Cable Board, '28.

FOR the life of a sailor." Ennis goes to Cooper some of the time, to work some of the time but most of his time he spends in the ferry going to and from that fifth borough which we sometimes hear referred to in our geography as "Staten Island".

Despite this stupendous handicap Ennis is the bright boy of his squad and has earned the distinction of being the only one who comes to Lab. knowing what the next experiment is all about.





ALBERT FAUSAK

"Al"

Architecture

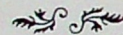
FROM Jersey City comes our friend "Al",
He's quiet, demure and is quite a pal,
A bank he's designing, but he doesn't care
much,
'Cause his mind is on decorating and such

He is also a "sheik" that you read of in
books,

We'll say it's personality that gets them,
not looks,

For his girl and her folks sailed to the land
we call foreign,

But she was back on the next boat, though
she had to go borrowin'.



WALTER G. FIGIEL

"Walt"

Electrical Engineering
Tech

THOUGH Walter is one of our most diminutive colleagues in stature, he ranks among the best in the classroom. He is a quiet, likable chap, who can be depended on to do his work regularly. His great joy is to start a motor in the D. C. laboratory. Usually, when some work is completed early, our fellow students are at once homeward bound. Not so with Walter. He will go about the laboratory in the remaining time, starting different types of motors, and the larger they are the more pleasure he gets. Such perseverance leaves no doubt as to the future.





EDITH H. FISHER

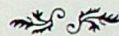
"Ed"

Chemistry

Class Secretary, '25, '26, 27.

THE nickname might lead one to believe that the owner has masculine tendencies but it merely implies a good fellow which any woman would have to be to last five years with a crowd of men. Ed is the sole survivor of three young women who undertook the plunge five years ago. She is continually showing up our superior masculine mentality in the quiz rooms.

We don't know anything of the private life of this "Edith of Troy", or is it "Hastings", so we are sorry to say we can't spill any dirt.



HAROLD FISCHER

"Harold"

Civil Engineering

Tech

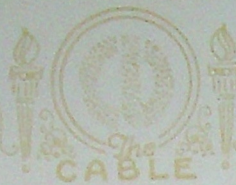
A. S. C. E.; Chess and Checker Club; Rifle Club.

HAROLD walked up a few blocks from Stuyvesant and came to Cooper. Simple, isn't it? Well, that's Harold, not too many frills.

He is a hard worker and his grades show it. We don't know in just what subject he excels, hydraulics or calculus. We'll choose "calc." because it's a little dryer than the other.

By the way, Harold is some chess player. He sure does handle a wicked tower. When he gets into that familiar attitude, chin resting on his hands, eyes on the board, even Capablanca would throw up his hands.





JOSEPH G. FLANNERY

"Joe"

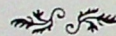
Civil Engineering

A. S. C. E.

THE senior member of the Happiness Boys Firm. No need to mention the junior member here, for just find Joseph and you will find the Firm standing intact. They stick together like a dime to a Scotchman's pocket.

Joseph is a quiet asset to the class, never a night passes but what he is fully equipped for the evening's work.

We have never seen him step out but that only means that he is more sensible than most of us. While some chaps are defending other activities, his choice has been in the defense of knowledge and a better defender is not to be found.



CHARLES FOLCKE

"Chickie"

Architecture

CHICKIE comes from Weehawken, N. J., and certainly deserves credit for tolerating it. You might also be informed that he has a passport.

He has keen sense of observation, which is well developed on his drawings. If you want to know something about buildings in New York City, see Chickie.

And, talk about an interesting coincidence, he is also greatly interested in Art. If you doubt this statement, become acquainted intimately with Chickie and be convinced.





WILLIAM J. FRANK

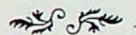
"Bill"

Architecture

THE WHO labors is worth-while. And that's Bill all over. At the initial class meeting each year we always are sure that one job will be taken care of promptly; namely, Pioneer Rep. Bill is always the first one to volunteer 'cause he knows his "subscriptions". You can tell how successful he has been by looking at the number of Pioneers he hands out each week.

Another thing, Bill is quite a Fritz Kreisler with the violin. If he isn't successful as an Architect he certainly will be with the violin.

But he won't flunk. On the other hand, we'd like to bet he makes a good job of both.



IRVING FRIEDLAND

"Owin"

Architecture

THE scene is laid in one corner of a well-lighted class room. The class is conspicuous in its solemn stillness. The air is rent with an occasional scratching on a much-abused sandpaper block, and diligent students are creating architectural masterpieces. Owin does not like it, it's too dead. So he starts crooning, as only he can, "Renditions of Foster's Southern Songs". The instructor good-naturedly says nothing, until his patience has been exhausted, and then says, "You, in the corner, if you feel that bad, we have a retiring room at the end of the hall".





ERNEST T. FRUHNER

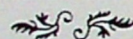
"Ernie"

Electrical Engineering

Tech

ASSUMING the name to be concealed, a no long delayed or procrastinated glance need be taken of the photograph above, to almost instantaneously recognize the features of that amicable colleague, familiarly known as "Ernie".

Infinitely resourceful in various phases of electrical engineering, thoroughly conversant in its discussion, painstakingly eager to enlighten others of us, who have been less fortunate in the accumulation of outside practical knowledge, Ernest has been more than a classmate to us—our association has been with him more like practical instruction.



HOWARD W. FUHRMAN

Chemical Engineering

Tech

"They also serve who merely stand and wait."

THIS lad is the quietest, brightest and most practical youth in the Chem. section. He is so modest and unassuming that he will answer the simplest questions with a hesitant air. His great success in mathematics lies in the fact that with him two and three add up to 5 and not 6. In the laboratory he is slow but sure and knows what will happen before he does anything. In the classroom he is so quiet that the instructors do not know of his presence until the first exam takes place, on which occasion he has the habit of obtaining the highest marks in the school.





SPRAGUE J. FULLER

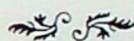
"Jake"

Electrical Engineering

"Nize baby eads op all de linza zup."

PAPA FULLER is the venerable married member of the class. Since going to Cooper Fuller has had to buy his wife a radio set in order that the children may be told their usual bedtime story even when Papa is far away to school and unable to fulfill his fatherly obligations.

Because he was married we figured he knew how to handle money, so we gave him the job of Class Treasurer. So far he sure has shown us single fellows how to save our pennies.



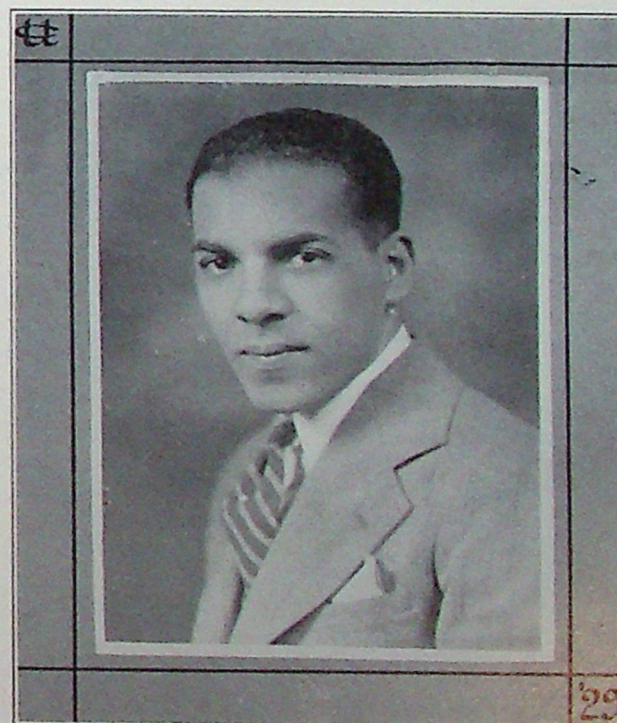
ALVIN C. GARY

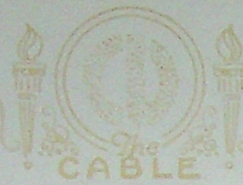
"Al"

Electrical Engineering

GARY is one of a few who come to Cooper with the intention of being a good student and has succeeded in being just that. That in itself is sufficient to mark him as distinctive.

His reserve nature and pleasant mien are as a soothing balm to those of us who tire at times of bustle and noise. It is with pleasure that we regard him as with us and of us and wish him the best of luck in the fulfillment of his ultimate desire—the old cap and gown.





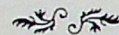
FREDERICK GEIBELT

"Freddie"

Architecture

FREDDIE is a carpenter with ambition to become an architect. Anything that you would like to know about carpentry or construction, see him, 'cause he knows his wood-work.

Funny thing about Freddie is that he is having a tough time with his upper lip. It seems he is trying to raise a moustache. We recommend a little massaging with honey, or perhaps a little waxing might do the trick.



SOLOMON GENDEROVSKY

"Sol"

Λ Σ K

Civil Engineering

A. S. C. E.; Class Affair Comm., '27; Circulation Mgr., 1928 Cable; Ex Post Facto, '29; Class Secy., '28; Class Treas., '27.

A GLANCE at some of the foregoing will show more than words can tell of the true spirit of this budding young Engineer. He has within his diminutive body an unsurpassable store of energy and an uncanny instinct—Scotch? unerringly helps him to devote it at the right time, right place and in the right direction.

Why Sol picked engineering for a vocation when the business world continually needs leaders, is a mystery. We do know, however, that his work on the CABLE Board and the *Pioneer* was deeply appreciated by his co-workers.





JAMES GEORGIA

"Jim"

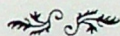
Mechanical Engineering

A. S. M. E.

TAIL to the man who handles the throttle of a river greyhound between sessions of the Night School.

Georgia is of the strong, silent type, who never speaks out of his turn and difficulty is experienced by the Profs. in getting an answer from him at roll call. Mr. Young solved this problem by giving a jingle, which was followed by a husky "Aye-Aye Sir, Jingle Ahead".

The girls will probably agree that he is handsome. But we are quite certain that his affection has already found a permanent abode, and, oh boy, she is some girl.



EDWARD GERAGHTY

"Ed"

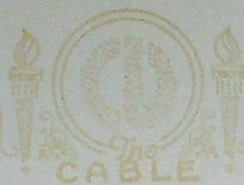
Chemistry

Class Vice-President, '27.

ED SHOULD have studied Law instead of Chemistry. He would rather argue hours on the impermeability of the impermeable or some other thing that nobody understands but himself than run a specific gravity test in a one cubic centimeter bottle which the Prof. presents with a fiendish smile.

We have lots of hope for him in the industrial world, as he makes a very efficient member of the "clean-up" committee.





ARTHUR GIONTI

"Art"

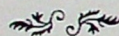
Civil Engineering

Tech

WHEN those "I'd walk a mile for a Camel" ads first came out, Art happened to see one with a finger pointing in a certain direction. He walked the mile, didn't find a camel and ever since has been smoking Lucky Strikes.

However, during his wanderings he did find Cooper, so here he is.

Art, we all agree, is a darn good sport and when he isn't busy discussing the necessity of park benches and lamp posts he's busy some place else working on "Diffs" or "Hydraulics". That's Art, "Johnny on the Spot".



NAT GINSBURG

"Nat"

Architecture

NAT is another of the quiet boys of the class. He takes interest in class affairs, but we never get his opinions on matters.

He is ambitious and his attendance to the classes is punctual. We know that some day he will be an accomplished draftsman, if not an Architect.

Well, old top, let us hear from you that we may have something to complain about.





ARCHIBALD F. GLOVER

"Archie"

Ω Ψ Φ

Civil Engineering

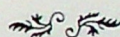
Basketball, '23, '24; I. C. Basketball, '26, '27;
Ex Post Facto, '29; Photo Editor Cable, '28.

A. S. C. E.

ARCHIE says he can sleep on the slightest provocation. After having proved it to us successfully many times we firmly believe him. But verily, it must be that in his subconscious state he is able to absorb knowledge, as it is seldom that he has no answer to the much-dreaded questions of the Prof.

Besides having become a master in the art of sleeping, Archie has proven his metal in other less important (to him) fields.

Some nights after class Archie can be seen beating a hasty retreat "uptown way"—but of this we know nothing?



MILTON GOLDSMITH

"Smitty"

Architecture

Class Sec., '27; Pioneer Art Editor, '28.

SMITTY is a quiet sort of fellow, but only at times. He is possessed with a native wit and sarcastic socks (not the kind you wear).

He has been active throughout the year as *Pioneer Art Editor*, but has found it quite a task to gather news fit to print.

He has also told us that he works in the Bronx for an Ornamental Iron Concern and is a Standardization draftsman. With this experience, Smitty has a bright future ahead of him. Good Luck, Old Top.





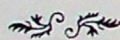
WILLIAM GOTHAM

"Bill"

Architecture

WE always have a little joke on Bill. Someone in the class insists in telling Bill that he would like to meet the remaining of the Got-ham family. That may be a joke, but we are sincere in saying that if they are all like Bill, it would indeed be a pleasure to meet them.

Bill's striking personality is his face, which is continually filled with a broad smile and—chewing gum. The chewing gum is all right, too, as long as he isn't seen by Mr. Miller.



MARK S. GRANT

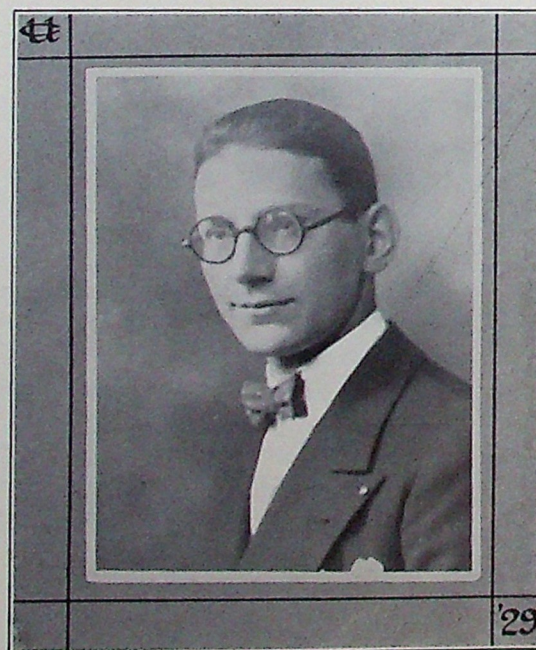
"Grant"

Electrical Engineering

*G*RANT is not, by circumstances, a great general or president, but is quite well satisfied to join with the rest of us as another student of old Cooper Union.

Grant has one great aversion, mechanical drawing, but he claims he will like it a whole lot better when he's through with it.

From what we saw of Grant at the seashore this summer we have a hunch that his heart is set on art of a different sort. Art for art's sake, say we, but after all who can blame him? Not us.





JACK GREENBERG

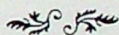
"Jack"

Architecture

JACK IS an easy-going fellow with a "Yes we are Collegiate air" and a weakness for cigarette lighters, pipes and dancing.

As for his work in school, he doesn't seem to worry much about it, but he has great ideas as to what he expects to do in the future.

We wish you all the luck in the world, Jack, with a little advice—being conscientious is better than thinking of the next heavy date.



J. P. GROENENDYKE, JR.

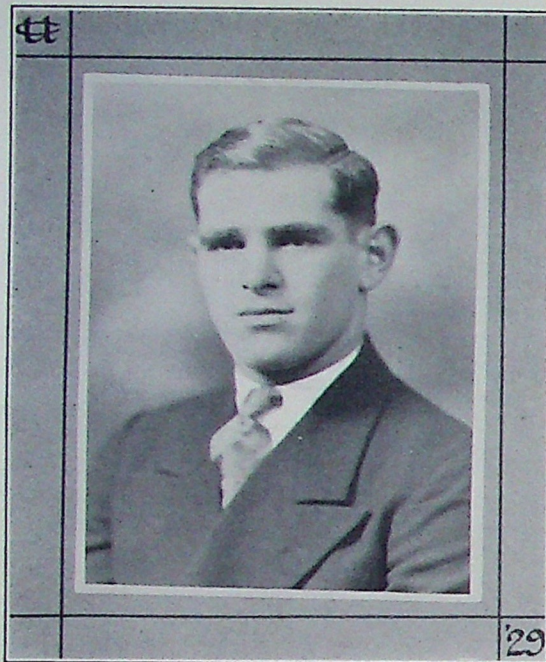
"Gus"

Civil Engineering
Tech

GUS could never be a bootlegger, although he lives in Jersey, the bootlegger's paradise. The reason is this: a bootlegger makes a pile and then takes it easy. Gus could, of course, make his pile but he'd die of inertia before the next shipload came in.

"J.P." is one of the hardest workers in the class. He is forever showing the rest of us up, especially on the drawing board. While we're thinking of what to leave for "manana", Gus is handing that plate in. Atta Boy, "Gus", show the rest of us how they do it. Don't get a wrong impression, for as an all-around student Gus takes a piece of that seven-layer cake with the chocolate frosting. More power to you, "Old Boy".





EUGENE GROSSMAN

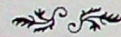
"Izzy"

Architecture

EUGENE IS a distinguished critic and a most excellent, conscientious "moocher".

He firmly believed in his fellow men, even unto neglecting to affix his signature to his drawing board. He subsequently forgave the one who adopted the board.

Judging from the work he has seen others do, we look forward to having Gus become an accomplished architect.



IRVING GROSSMAN

"Gene"

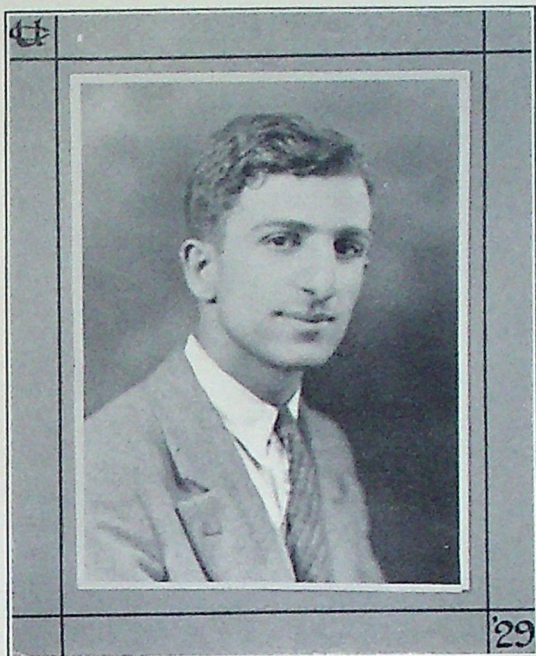
Architecture

Wrestling Team, '27, '28; Handball, '28; Track, '28.

IN OUR vast contact with men, we have never known any individual who so closely resembled the great Samuel Johnson as our Irving Grossman. The former, the great literary genius of his day, was possessed with a complex, in short, so eccentric, that the common class knowing him only superficially often doubted the man's senses. Still, Johnson was the chairman of perhaps the most renowned literary clique of all time.

If fame of Johnson lies in such idiosyncrasies, "Izzy", you too will some time go down as the greatest literary genius of the day.





NAJEEB J. HADDAD

"Had"

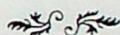
Mechanical Engineering

Tech

A. S. M. E.; Pioneer Staff, '26, '27, '28.

BE it a simple reducing motion mechanism, the large 2-L D. C. motor or the latest Diesel at the power show, this young man must, (or at least attempts to), acquaint himself immediately with every operating characteristic, fault and advantage, even each bolt and set screw of the mechanical device he encounters.

If budding physicists are known for their inquisitive and searching nature, (in addition to brilliant brains), we predict that Haddad will in the near future become creator of mechanical masterpieces. He is a good scholar, differentiates between good and bad, and integrates with perfection.



SHINZABURO HANDA

"Sir"

Chemical Engineering

HANDA is now studying at dear old Cooper, waiting for the Labrador Eskimos to build a college of some sort or other to appease his wanderlust.

Handa received his basic education in the home of his forefathers, Japan. He later journeyed to Europe and studied in nearly every "Old World" capital of learning. And now we find him here at Cooper after a short stay at Columbia. Where to next is a question that only time can answer. May we all wish him "Bon Voyage" when he graduates.





HERBERT HARRIS

"Herb"

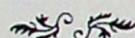
Electrical Engineering

Tech

TAKE another casual glance at him. His first name is "Herbert", but who would think that such a soft, loving handle would be bestowed upon such a hard-hearted, "question asking" youth?

The reason for his numerous questions is one of three: first, it may be due to interest of the subject, (doubtful), secondly, may be to kill time, (quite possible), and lastly, to possibly pull a good bluff, (that's it!).

And further we can't forget to mention that he just loves to chew the fat, especially if its about "g—ls". In "Machine Design" he and Ernie will bridge their boards and chat away for hours.



IRVING HARTMAN

"Irv"

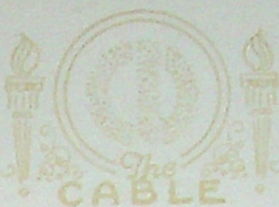
Mechanical Engineering

Tech

Math. Club; A. S. M. E.; Scholarships, '27, '28.

AFEW years ago, there was a saying "Ask Dad, he knows." Now, this has been changed to "Ask Hartman, he knows." If it's a difficult problem in calculus, a derivation in hydraulics or a "hookup" in d.c. lab., Hartman is sure to know how it is done. He is not only a scholar of the highest calibre, but he also knows how to work. By this, we do not mean he is a "plugger". He is far from that. But if he has a duty to perform, he wastes no time, he does it, and does it with extreme rapidity.





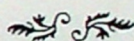
WAVERLY A. HATCH

"Wave"

Architecture

OH, GIRLS! This "sheik" was rightly named. He has a wave and it's permanent. We always knew that it was the curly head that got 'em. And Listen! He wouldn't take you for a sleigh ride, either. When you mention "Wave", that means a boat ride. Do you get me?

Seriously, though, "Wave" knows his "Banks". He has a sure-fire pleasing design. We wish him all the luck in the world when the drawings are judged for the prize.



JOHN R. HEFELE

"John"

Ω Δ Φ

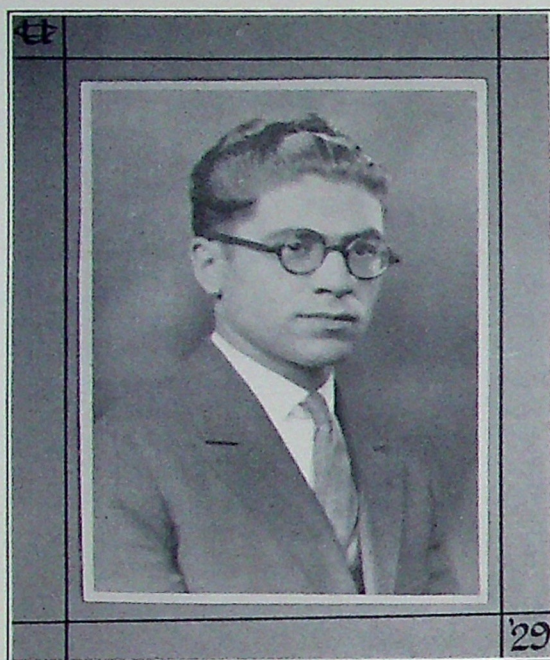
Electrical Engineering

Junior Prom. Committee, '28; Newman Club.

JOHN insists that he lives in Fordham. We all insist he lives in the Bronx. A thorough investigation revealed that Fordham is in the Bronx and differed from the rest of it only in that it had worse train service and bigger and better mosquitoes.

This winter we found that John possessed a single abnormal trait which, despite his name, we attribute to old Irish forefathers. He has been known to argue for hours that blue is green and no amount of logical argument has as yet been of any avail in changing his convictions. Therefore, for sake of peace let blue be green.





THOMAS G. HEISER

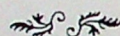
"Doc"

Chemistry

Amer. Chem. Soc.; Newman Club; Class Pres., '26, '27; Vice-Pres., '25.

AFFECTIONATELY nicknamed "Old Dirge", when but a lad he climbed into an ice-box, while sucking a lemon, and his face never thawed.

Nestled in the Neversink Mountains of Pennsylvania lies the city of Reading, where this "big starch and dextrine man" spent his early boyhood. He soon overcame this handicap and at an early age migrated to the "big city" in search of a responsible position; a scientific education; and a balance wheel. (Crudely termed "ball and chain" or femme"). The first two he had no trouble obtaining. We now understand that he is about to satiate his third desideratum.



WILFRED HENSCHEL

"Will"

$\Lambda \Sigma K$

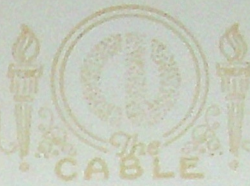
Electrical Engineering
Tech

Class Secy., '26; Editor Pioneer, '27; Secy. C. U. S. C., '27; Class Vice-Pres., '27; Rifle Club, Class Pres. '28; Editor-in-Chief of Pioneer, '28; Vice-Pres. of Rifle Club, '28; Secy. of A. I. E. E., '28; Jr. Executive of Council, '28.

ONCE upon a time, in the dim and hoary past, when Will was a freshman, he inadvertently passed by the *Pioneer* Office and was promptly roped in by the staff. And now the erstwhile office-boy is Editor-in-Chief of Cooper's tabloid.

Will is one of the most punctual men in the Tech, as all of the Profs. can testify. To quote: "Henschel, it seems that no matter how late I come in, you're always behind me!"





MILTON N. HOLDEN

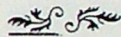
"Milt"

Chemical Engineering

Class Treas., '25, '26, '27; Vice-Pres., '28; Wrestling, '27, '28.

MILT is a very small man, weighing 115 pounds, but he owns a "Crane Simplex" auto. Rather a poor proportion for such a mathematician as he. We suspect the reason that Milt joined the wrestling team was in order to be able to change the tires on his car. It might be said here, that he is the only member of the wrestling team who wears spats. Yes, a very colorful fellow indeed, as can easily be seen by taking a peek at the rest of his make-up.

A Prof's dream of paradise would be to have a class made up of fellows like "Milt" if they would study; for he is the original study by proxy man.



HERMAN HUTMAN

"Eagle-Eye"

Civil Engineering

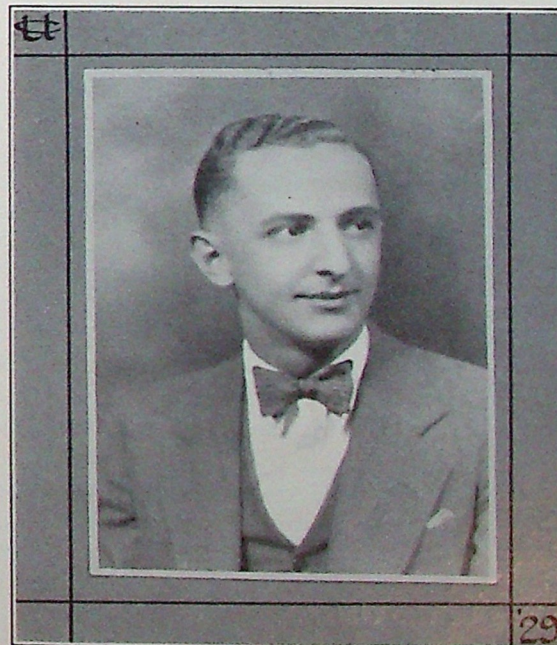
Tech

A. S. C. E.; Pioneer Staff.

IT'S LUCK for us that Roebling built the Brooklyn Bridge. While crossing over to emulate Steve Brody, Herman picked up a newspaper, read of Cooper, and came here instead. Thus we came to know what the professors call a high tension wire.

Herman is the kind of a fellow we'd like to take camping; (he owns a car). He is a good sport, always willing to lend his "calc." homework. That is, when he does it himself, which is so frequent as to make him ineligible to the "C" Club. He has but one peculiar trait, that of listening to lectures.

By the way, Herman's pet hobby is waiting;—waiting for her father to go upstairs.





SAIM ISMAIL

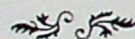
"Saim"

Electrical Engineering

Tech

*S*AIM, as we call him, is one of the older and more modest members of our class. He is a man of wide and varied experience and although he has been associated with many valuable experiences that are enviable, he never elaborates upon them.

Saim can well claim honors for ambition and initiative. We must admit he is deserving of credit when he can work in the evenings and still maintain his foothold in the Tech.



ALEXANDER L. JAPP

"Al"

Electrical Engineering

*J*APP'S great, great something or other must have been Leaf Erickson or Columbus, for he sure has that roaming spirit. Although married, Japp still finds time to live in Jersey, work in Coney Island and go to Cooper to idle away a few spare hours each evening. He takes it all philosophically, however, and says he hopes some day to be able to afford an airplane to make commuting easy.

Like all married men, he has few vices, the only one of importance being his insistence upon betting 25c. cigars each time his D. C. Lab. theory disagrees with the others of the class.





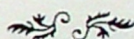
HAROLD W. JOHNSON

"Johnny"

Electrical Engineering

*J*OHNSON, of the firm of "Coles and Johnson", Astronomical observations taken at any time, for anybody, for anything. Results guaranteed to be perfectly rotten. Johnson makes all his observations in the Bronx while Coles does his work in Brooklyn. Comparing results they both agree to have clearly proven—nothing.

Harold is quite insistent that, like Coles, he is a bachelor, but why all those swell clothes? He sure is the class "What the well-dressed man is wearing." What we all want to find out, Harold, is, "Who is it buys you those classy scarfs each Christmas?"



PAUL H. JONES

"Plute"

Ω Ψ Φ

Chemical Engineering

"SMILING PAUL" is the one embryo Chemist in the class who always seems immaculately dressed and "satorically resplendent". We have a hunch that he gets his tips on "What to wear and why" by reading the *News* and going to see Adolph Menjou in all his latest pictures.

Paul is a quiet sort of a chap, quiet enough to make us think he must be married. He is, however, in all seriousness, a "jolly good fellow", and we all like him for his willingness to assist and cooperate at all times. May he always keep smiling through life.





JOSEPH A. JORDAN

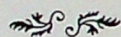
"Joe"

Electrical Engineering

Class President, '23, '24; I. C. Basketball, '26, '27; A. I. E. E.

TJO JORDAN goes the distinction of being our own smiling "Joe". He has more smiles per square foot of facial area than any other person known. If his picture does not show more than a six-toothed grin, why, then, it's surely not his picture.

They estimate it takes thirteen muscles to produce a smile and all we can say is that by now his particular thirteen must be pretty well muscle bound.



PAUL KAGAN

"Paul"

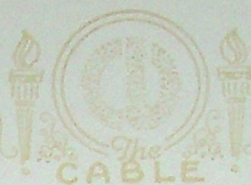
Electrical Engineering

LOOKING at the world through a pair of spectacles is our class mathematician, Monsieur Kagan. No doubt his work will soon rank with that of the famous Frenchman, Levernier, who discovered a world by calculation.

Like all great men, Kagan has the ability to ask innumerable questions that no one can answer. "Where does a generator keep a characteristic when it is not running?" is enough to startle the most reserved Prof. out of the formality of "Any Questions?"

However, Mons. Kagan is always willing to lend a mathematical hand, providing you know that "tng" means tangent in his terminology.





WALTER KALIN

"Kalin"

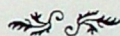
Ω Δ Φ

Electrical Engineering

Class Pres., '27; Class Vice-Pres., '28; Staff Editor of Cable, '28; Ex Post Facto, '29.

KALIN is the proud possessor of an augmented superiority complex. When a doubting Prof. asks him a question upon any subject whatsoever, it is with extreme indifference that Kalin rises. Of course, the answer is so well known by him that a sketchy outline is all that he deems necessary to furnish the Prof.

If any one were to ask him what portion of the school term he likes best he would undoubtedly answer "the week-ends". Every Saturday Kalin goes on a "safari" from the wilds of the Bronx to far off Brooklyn. He is then a man of the open spaces, coming afar to see his lady fair.



CARL E. KASTNER

"Carl"

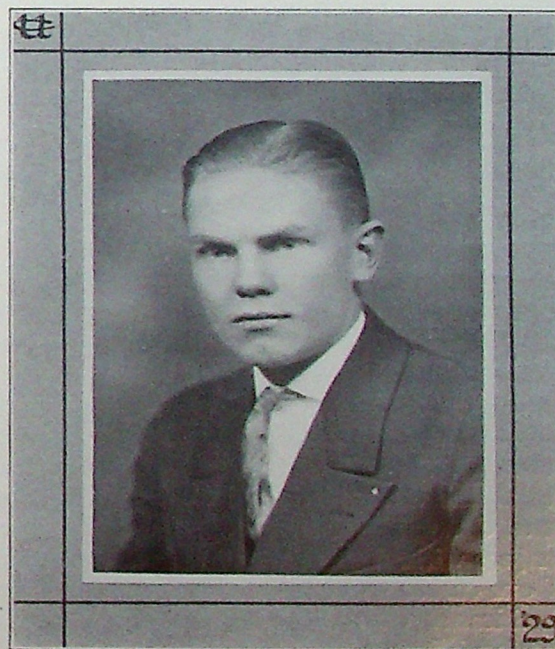
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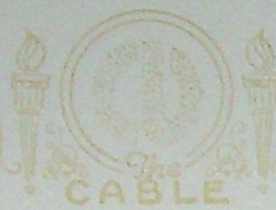
Civil Engineering

A. S. C. E.

CARL travels to and fro from Newark, where 'tis said that people are industrious and speedy. This tradition is made manifest upon a minute investigation of Carl's habits. He is always the first in class, the first to leave and above all is ever ready with his C. E. experiments. His only failing is in reading verniers on Hook gauges.

Although Carl does not take a very active interest in College activities he can always be depended upon to support the Proms. His pride in his "Miss Inspiration" is abnormal, but not in the least unwarranted. Ask Carl, he knows.





JOSEPH KIEL

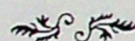
"Joe"

Architecture

JOE IS one of the better dressed men of our Class. No wonder, he comes from Newark, N. J.

How he manages to keep up with the class is a mystery to the rest of us, when we consider what a "wine, women and song" man he is. Joe can stay out all Saturday and Sunday night having a good time and yet come to Class Monday looking like—well, look at his picture.

Besides being interested in Architecture, his main other hobby is books,—and, what stuff!!!!



MERLE KOBLISH

"Merle"

Ω Δ Φ

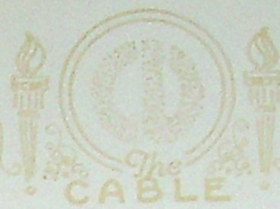
Chemical Engineering

Class Pres., '26, '27; C. U. N. S. C., '27, '28; Asso. Editor Pioneer, '28; Annual Affair Comm., '27.

MERLE is a strong, silent man from the broad plains of Long Island. Through those hazardous first years he was our very capable counselor.

Long after school hours he could be found moving mysteriously about the confines of our halls on business beyond the understanding of the unsophisticated to whom the Student Council, *Pioneer*, etc., were words to conjure with. But as we now near the zenith of our career and those words take on a new significance we realize the magnitude of his accomplishments.





EDWIN A. KRAUTH

"Ed"

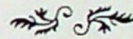
Ω Δ Φ

Electrical Engineering

Newman Club.

RIP VAN WINKLE came from Tarrytown; "Ed" comes from the Bronx. That's the only difference, for Ed has the distinction of being able to sleep through anything from a quiz down to a Lab. period.

Ed's chief bids for fame are his moustache. "Yes, girls, that's what it is"; and his ability to supply girls for any class affair to any of the needy. Ed knows more girls than Solomon had wives and has been known to bring as many as three and four to the same affair. How he keeps them from fighting is "Ed's" own secret and we can't make him tell us, either. "Come on, Ed, let us in on it."



ANDREW KUCZMA

"Andy"

Architecture

Basketball, '26, '27, '28; Football, '27.

ANDY is one of the men who not only comes to class to study architecture, but also finds time after school hours to play with our basketball team. He is one of the varsity men and we cheer him along to success both in classwork and his efforts along athletic lines.





RICHARD E. KUHN

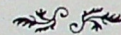
"Ed"

Civil Engineering

A. S. C. E.

Treas. A. S. C. E., '28.

WHEN you look upon his six feet and 4 inches of manhood you will readily concede that Ed. is a big man in the class. In this earnest and unpretentious young man we have acquired a devoted classmate, and an untiring worker in the interest of school spirit. He is an exemplary student and often has the reputation of the class been saved through his proficiency in answering a seemingly intangible question by this Oracle of Delphi. If we possessed Ed's rare quality of rapid mental calculation what a saving we could effect in slide rules. As a brilliant scholar and a genuine gentleman, Ed. will undoubtedly rise to exalted heights



RENERT R. KURET

"Rennie"

Architecture

WHEN a fellow works zealously, minds his own business, is modest, unassuming and reticent, and his character otherwise untainted, b'gosh, we just can't knock him.

Rennie, boy, that's just you. Continue your good work, put down on paper the sublime concoctions that your noble head is so pregnant of, never tell a lie and when you get your diploma, we'll take you to the Capitol and make you the President of these United States.





HERBERT J. LABER

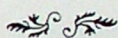
"Herb"

$\Phi \Sigma \Omega$

Civil Engineering

C. U. N. S. C., '28; I. C. Basketball, '26, '27, '28; Business Manager Cable, '28; Ex Post Facto, '29; Class Pres., '28; A. S. C. E.

BEHOLD: Henry Ford's nemesis. For just as Ford is responsible for the American tourist's comfort in travel, is Herb responsible for millions of New Yorkers getting to business on time every day. For though wintry winds may blow and snows will fall, the trolley cars their duty must perform. Herb is very modest, though, as he does not claim that the tie-ups that occur once in a while are his fault.



LOUIS LACHMAN

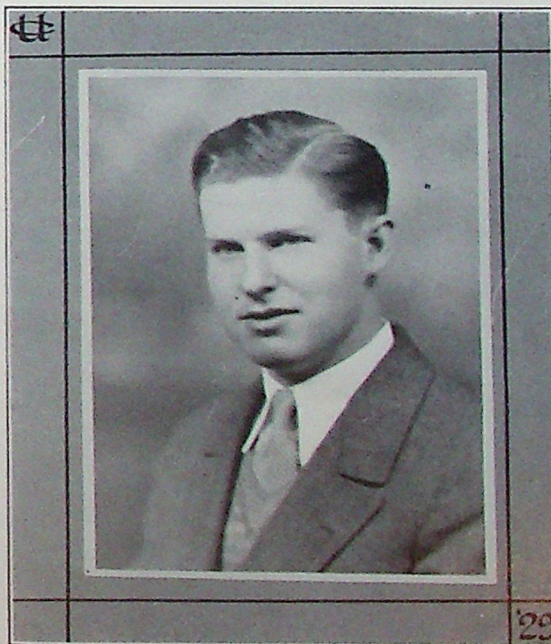
"Loeey"

Mechanical Engineering

A. S. M. E.

WE PRESENT for your approval a man who was once in the Day School, who after deep meditation decided to enter the Night School and is now enrolled as a new recruit in M. E. '29. Efficiency in all its forms must be taught in the Day School, as he is probably the only man in the Class that studies by schedule. He made the mistake one night of leaving his schedule in Class. It was found later by a Prof., who casually inquired why his subject was slighted.

Louis is a fine chap and well liked by his classmates for his everlasting smile and good fellowship.





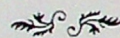
VICTOR LANGE

"Lange"

Architecture

*W*ICTOR, ole boy, you certainly are fortunate in that our photos were taken half body, for, were they taken full length, we regret to say, your lower extremities would be excluded from the picture.

Too bad the basketball coach has not espied you as yet. Fellows, Victor is 6 feet 4 inches in his stocking feet and studying architecture. If his cerebellum developed as freakishly as his thyroid gland, my what a precocity we would have with us—but, alack and alas, it didn't.

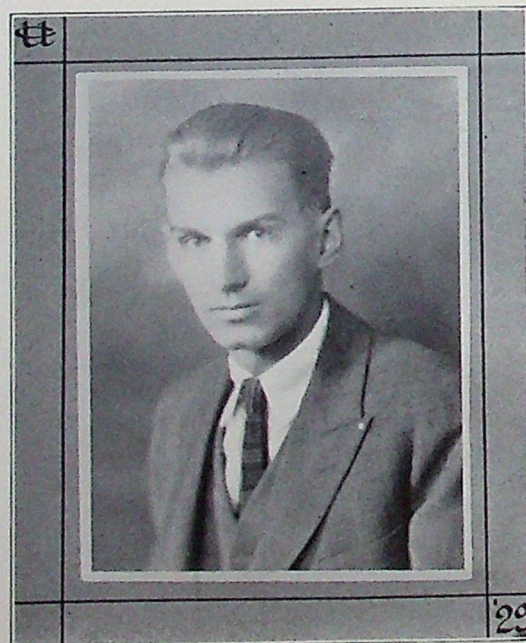


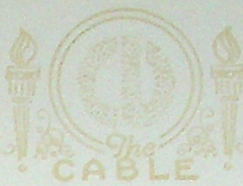
GERALD S. LAPOLT

"Gerry"

Electrical Engineering

*W*E PRESENT LaPolt as a logical candidate for the President of the United States. When he is amongst us we almost always feel as though he will eventually burst forth into some such worthy utterance as the now historic "I do not choose to run," of President Coolidge. However, he has denied us even that meager satisfaction and has remained the class' quietest individual without even a near competitor. Upon the weight of his ability to say little with such extreme tact do we rest in predicting a bright political future.



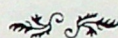


CONRAD LASCHIVER

"Beer Chemist"

Chemistry

THE above title was conferred upon Laschiver by a Prof. who, by asking him embarrassing questions while he is at the blackboard, can bring a color to Laschiver's cheeks that would put a "Schoolgirl Complexion" to shame.



ALBERT LEGUORI

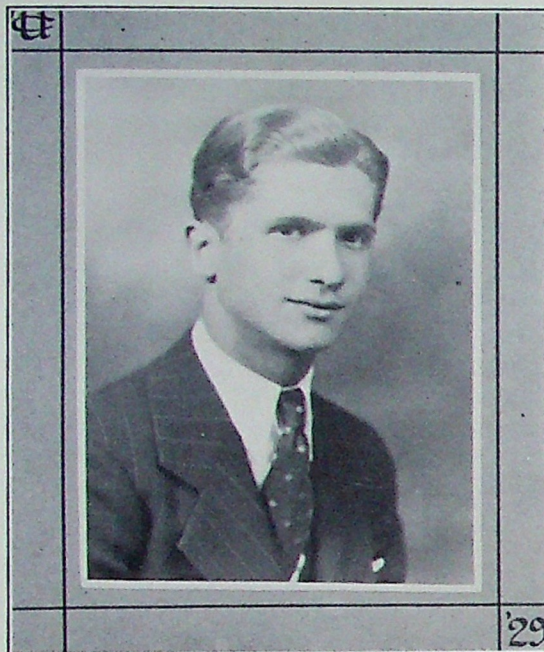
"Al"

Architecture

Class Treasurer, '27, '28.

AL SAYS, "Who steals my purse steals trash." He is the class treasurer for the second term but finds it very hard to collect from the fellows, who seem to think him a politician. He spends many minutes trying to convince fellows that they are placing the money to their own advantage but some will not understand. We hope that some day you may be treasurer of an organization where your endeavors will be appreciated.





WILLIAM LENZI

"Lenzi"

Architecture

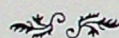
LENZI must be a co-worker of the players in the show, "Just Fancy". That phrase is a typical description of one of the smallest, original, "Manhattan Steppers".

"Second Nature" is our reason for Lenzi's ability to be dressed in such a way as to turn the head of any forlorn old maid.

Between his "snappy dress" and his natural "line of talk", he will have no trouble in advancing in the architectural field.

A joke, (or is it a pun?), that he insists in telling, is the one about the, "There were four men in a boat, they all had—etc."

Ask him about it some time. Maybe he has forgotten it. No such luck.



HENRY LEVINSON

"Henry"

Civil Engineering

Tech

A. S. C. E.

HENRY is a quiet, unassuming chap, who simply oozes with patience. We've never seen him pull hair yet, although opportunities to do a "Lindbergh" have occurred. Besides this, he has the faculty of being able to smile at difficulties, and smile broader yet, when he overcomes them.

Henry, (affectionately) is the C. E. Steinmetz and Marconi. On radio he can discourse on anything from why the set plays wonderfully when there are no visitors to why the battery acid is good for grease spots.





HAROLD LEWIN

"Harold"

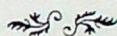
Civil Engineering

Tech

Basketball, '27-'28; C. U. S. C., '28; Pioneer Staff, '28.

ABOVE you see the greatest engineer that ever looked through a transom, and by great we mean he's a great guy, hot stuff, good sport, etc.

For years it has been the problem of the Tech to find out just why Harold came to Cooper. Although he always manages to pass, Heaven only knows how, he stars in everything under the sun. He holds office in every branch of student activity. But his chief indoor sport is giving the women a line on the dance floor, which they invariably believe. Besides all this, he is reputed to have the longest list of Art School girls' phone numbers.



LOUIS LIFSCHITZ

"Louie"

Mechanical Engineering

A. S. M. E.

Class Corr. Sec., '28.

THERE'S the boy who sure can annihilate the text matter in the books. He is ever ready with a question to ask the Pof. when one of his classmates is in distress.

We don't know what use engineering is going to be to him unless he is going to revolutionize the canning industry. But that is an ambition worthy of any man and frankly we feel he is going to succeed.





HARRY LINKER

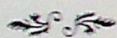
"Linker"

Architecture

INKER, in the business world to-day, is a designer of pots and pans. We don't mean that literally, of course. We must say, by way of explanation, that he is a junior draftsman for a kitchen equipment establishment.

Harry is an aspiring young architect and we have no doubt but what he'll reach his goal—some day.

He is regular at school, eager to increase his knowledge and has the ambition of a little Napoleon. With these qualities, the outcome should never be in doubt.



FRANK LIPICZKY

"Frank"

Chemical Engineering

IN THE language of the chemist, Frank is a stable but not inert organic compound discovered twenty-two years ago in the wilds of New Jersey.

To be consistent with organic nomenclature he has a name whose pronunciation sometimes puzzles even the professors.

Like all self-respecting compounds he reacts more readily with some reagents than others. Treatment with ethyl alcohol has been omitted, due to scarcity of the C. P. reagent, so that his affinity for the above reagent is a matter of doubt.





GEORGE LISCHKE

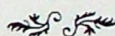
"Georgie"

Architecture

GEORGIE is a worker, a real plugger. He can certainly plan and design. Fortunately he has been remunerated for his ability and ambition. Not only did he find time to devote to his studies at Cooper Union, but also went to another school to fill in his spare nights.

He has a pleasant personality, which has gained him many friends in the class.

We also notice that Georgie is wearing a band on the third finger of his left hand. One of the fair sex must have "hooked" him. Well, we all wish him a very successful future, both in Architecture and as a married man.



GEORGE H. LOCKWOOD

"Lock"

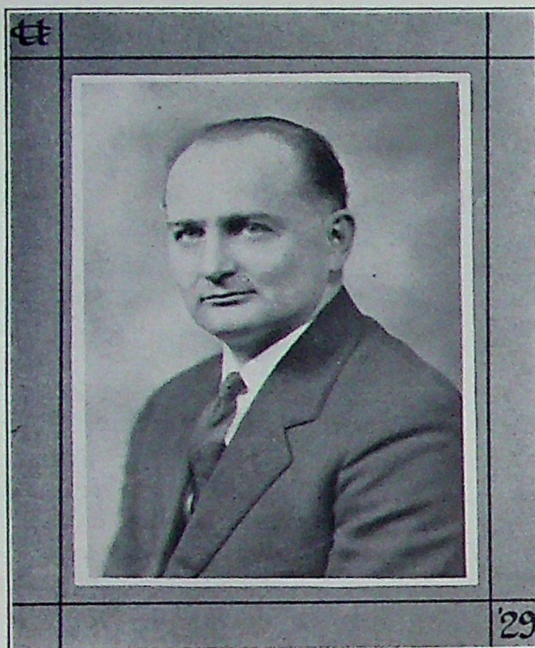
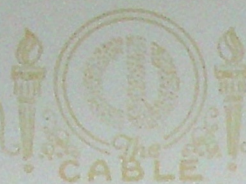
Chemistry

Class Vice-Pres., '28.

GEORGE is a very ambitious chap and the fact that he travels all the way from Bloomfield, New Jersey, every morning to Cooper Union is proof enough of his ambition. We do not know where he acquires his bird-like qualities, such as his whistling and warbling, which can be heard any evening in the laboratory if one approaches him cautiously. Perhaps it is due to the fact that he is an accomplished fiddler and mandolinist. Who can tell?

To show appreciation for the good training that Cooper Union gives its students, by being a good student, which Geogre surely is, is indeed the only true school spirit.





WALTER LONGNECKER

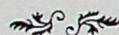
"Walter"

Mechanical Engineering

B. S. Chemistry, '24.

"*J*UMP overboard" is his favorite phrase. But, at the same time, he knows many others, some better, some worse, which he learned while in the A. E. F. Walter apparently cannot keep away from Cooper Union—he has been a student here for more than ten years. After he graduated from the Chemistry Course he decided to come back and take Engineering. He is to be commended for the spirit he shows in trying to forge ahead in this every-day world of ours.

He is the type of fellow one would gladly have around when in trouble; a few words from him and troubles seem to go up in the air like toy balloons.



ABRAHAM LUBKIN

"Lubkin"

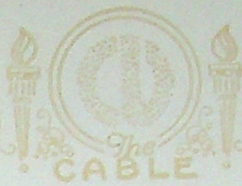
Chemical Engineering

Tech

*L*UBKIN ought to be a consulting engineer. He offers a few good ideas every now and then, but never follows them up himself. It is certain that he will never be a chemist because the burette is too high for him. This does not give him many gray hairs, however, since he can always make \$1000 a year telling radio fans why they must have a battery with their radio sets.

Lubkin might get stuck with a few chem problems during the winter, but he wouldn't think of sticking us with a bootleg radio tube in the summer time.





STANLEY LUM

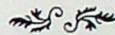
"Stan"

Architecture

Class Sec., '28; Cable Board, '28; Ex Post Facto, '29.

STAN is one of the most genial chaps in our class, and when a jovial character is combined with a studious one, the combination is one that is rarely found. Unlike others who are at the head of the class in studies, Stan seldom makes himself heard.

Not alone has Stan's studies been at par, but he has taken active part in class activities. As secretary of the class, he has proved himself very capable. His minutes are interesting and thorough. He also, as circulation manager of the CABLE, has made possible a satisfactory representation of the Architectural Classes.



LEO L. LUSTIG

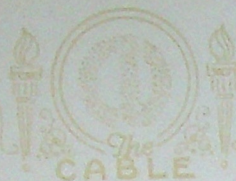
"Leo"

Civil Engineering
Tech

THE only Tech man who could successfully raise a moustache visible for more than three feet. He is also the lucky card player who had thirteen spades in his hand without dealing them himself.

"L.L.L." (his initials), how well this boy is named—Love, Love and more Love—his favorite pastime, our women's home companion. Nevertheless, this is a great assistance to Leo in his technical training, as his intensive study of feminine contours has given him a rare skill in map drawing.





DONALD J. MacDONALD

"Mac"

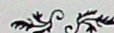
Electrical Engineering

A. I. E. E.

Secretary, '25; Class Treasurer, '26, '27.

MAC HAS the unique distinction of being the only Scotch Santa Claus. We wondered how it was that he so rudely discarded the cherished tradition of his forefathers until we found that Mac only plays Santa Claus when he gets paid for it.

Mac's favorite pastime is looking for a job. He hopes to get a real good one some day and is looking things over pretty carefully. Here's hoping that he lands a good one.



PAUL MACKIN

"Paul"

Chemical Engineering

Football, '27.

Thumb Nail Index

Age:—21 winters and a couple of summers.
Birthplace:—Brooklyn; but not through choice.

Vocation:—Chemist at Chemical Testing Labs.

Advocation:—Student at Cooper Union.

Sport:—Football.

Class Activities:—I pass.

Nickname:—"Mack" and "Pablo".

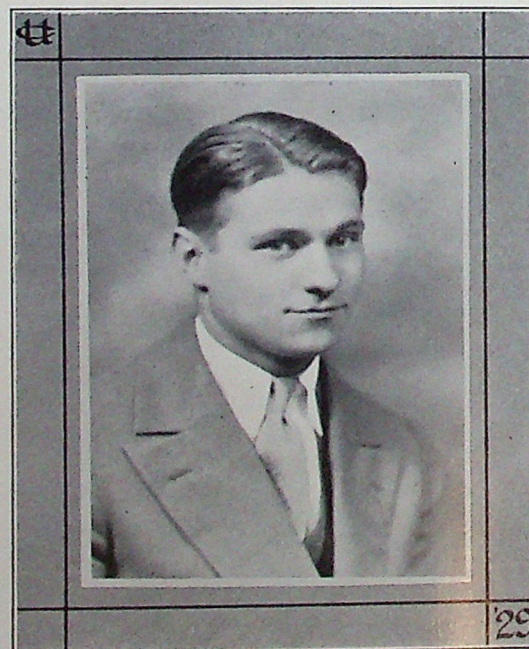
Distinguishing Feature:—Face.

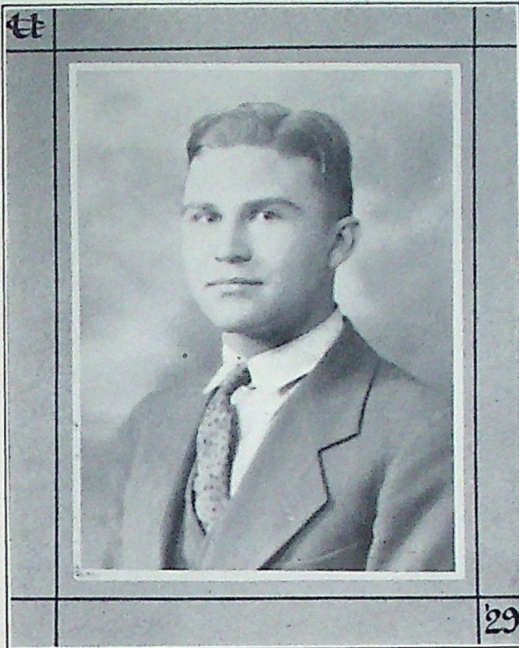
Habits:—Yes.

Pet Sayings:—Here's how it was—there were two man in the boat and the oars leaked."

Motto:—Shorter, fewer lectures.

Ambition:—To graduate.





EDWIN S. MALONEY

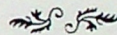
"Ed"

Electrical Engineering

A. I. E. E.

IN THIS corner, ladies and gentlemen, we have battling Maloney, heavyweight champion of his squad. When Maloney is in form he sure can make his Lab. partners step back into their corners and cry for mercy.

Insist that Maloney had taken his meter readings incorrectly and the whole squad would have to run to cover. Now, however, they have learned to compromise and get him to re-check his values by admitting that all the other members of the squad are wrong and that his readings are right and peace reigns supreme.—Ah men!



JAMES V. MARRA

"Jim"

Civil Engineering

A. S. C. E.

IT HAS been figured out that Jim has at home 28,128.4 lbs. of notes taken in his first three years at Cooper. Three more weeks of lectures and he expects to reach the 30,000 lb. mark. He has also used enough lead pencils to circle the globe if laid end to end.

If he ever finds use for all these notes he promises to buy his customers a small hand cart to wheel away the volumes.

In spite of this it is to be admitted that Marra seems to reap the fruits of his labors as his marks show that his notes have certainly been of avail.





EDWIN McBREEN

"Mac"

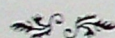
Civil Engineering

A. S. C. E.

MAC SURE deserves credit, for every night when class is out he sails across the briny deep to some place out in the Atlantic Ocean, called Staten Island. And then up early in the morning and back to the United States again. We understand that Mrs. Mac leaves a lantern on the postern every night so as to light Mac's homecoming, as it were.

Mac thought married life was a hard problem, but after looking at the valve system in the Hydraulics Lab, he broke down completely.

Mac in his own sincere way will leave a feeling of brotherhood, never to be forgotten.

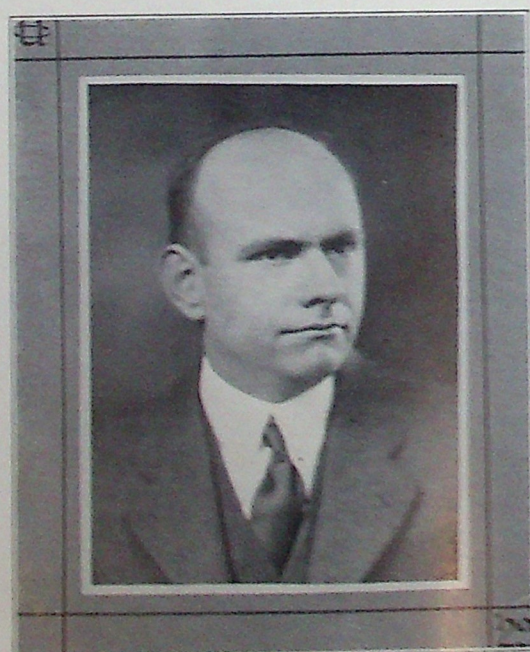


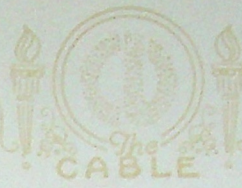
VALENTINE McCABE

"Mac"

Mechanical Engineering

A MAN with the countenance of "Mac" tingles with intelligence. His forehead is very extensive and all indications point to its extending at a great pace. History tells us that grass never grows in a busy street, and one look at Mac bears it to the limit. Mac's greatest delight is delving into the intricacies of Physics and the deeper arts. The A. S. M. E. being very observant, took him into its folds and decorated him with an officer's rating. A good plugger and a man amongst men—that's Mac.





THOMAS E. McDERMOTT

"Mac"

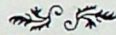
Mechanical Engineering

Class Secy., '27.

A. S. M. E.

MAC is our imported wheelbarrow-man hailing from that far-away country called Massachusetts. On many a cold, bleak night you can see him swinging jauntily along, coat wide open, perspiring and cursing these warm winters way down south here in New York. What a man! He says the only reason he doesn't ice-skate is that when he stands in one spot on the ice it begins to melt.

Mac is one of the most popular fellows in the class, not only because he always has the homework done but er—er well, just because. Hey-Hey.



GEORGE McGIBNEY

"Mac"

Architecture

Football, '27.

MAC is a chap who is well liked by his classmates. He is another one who is earnestly interested in the various school activities and supports them.

He is a member of the football team and has worked hard to help make it successful. We were told, however, that Mac was quite timid at the start, but soon became hardened. Keep it up, Mac, you have our support.





THEODORE McNAMARA

"Mac"

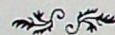
Civil Engineering

A. S. C. E.

THERE WE have the junior member of the Happiness Boys Firm. A brave man from Jersey, where murders are trifles and leopards run wild.

Mac can always be found before the opening of school in the library. The way to locate him is to look for the largest book on the table and nearby you will find Mac. Or, a better way yet is to find the other half and the mystery is solved.

We notice that Mac has imported his brother to solve the major problems which, of course, is all right as long as they don't get their papers mixed.



CARL W. MEIER

"Carl"

Ω Δ Φ

Electrical Engineering

CARL IS our own little woman hater. He treats those of us who are married as poor boobs, who should have known better in the first place. Carl considers the happiest boys in our midst those who have no marital ties to bind them to house and home.

If there's a good card game at the fraternity house he is sure to be there. Then just to show the boys how independent he is he always is the last one to leave when the game breaks up in the early hours of the morning.

Well, Carl, we're not wishing you any hard luck, but remember that Will Durant claims no person can fall in love after he's thirty.



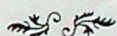


MAX MENDELSON

"Max"

Chemical Engineering

BEFORE you see one of the quieter type of students at Cooper Union. One of those who, although he does not take an active interest in college activities, is nevertheless slated to be a successful chemical engineer, due to his affinity for text books. Max is therefore one of those illustrious students who helps to keep Cooper's scholastic records beyond reproach.



FREDERICK MERTENS

"Fred"

Chemical Engineering

Tech

Pioneer, '26, '27; Tech Council, '26, '27, '28; Chem. Club, '26, '27, '28; Math. Club, '26; Vice-Pres., '27, '28; Class Secy., '27.

"**L**ITTLE FREDDIE", as we have grown to know him at school, hails from Passaic, on the mainland of the U. S. A. Aside from that he is quite a likeable chap and a real scientist. He gets that way from reading "Bits of Science" in the *Pioneer*. Fred is our chief information getter. And how (!) he gets it. Of his own ideas (yes, there are a few in his head) and he treats them real well, too, for he knows they are in a strange place! We cannot say too much, for they are mostly over our heads.





JOHN MIHALÓ

"Jack"

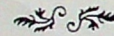
$\Phi \Sigma \Omega$

Civil Engineering

I. C. Basketball, '27; A. S. C. E.

JACK is a disciple of Isaac Newton. His head is always bent low over a text book, fingers thumbing a slide-rule waiting for an inspiration. His marks are proof enough that he usually finds it.

He is one of those chaps who one can see will be very successful in life, having that power of treating only with the problem in hand. He is by no means merely a student, either, as rumors have it that Jack steps out with that certain someone when Saturday night rolls around. If trains would wait for people Jack would take an active part in College affairs—but they don't.



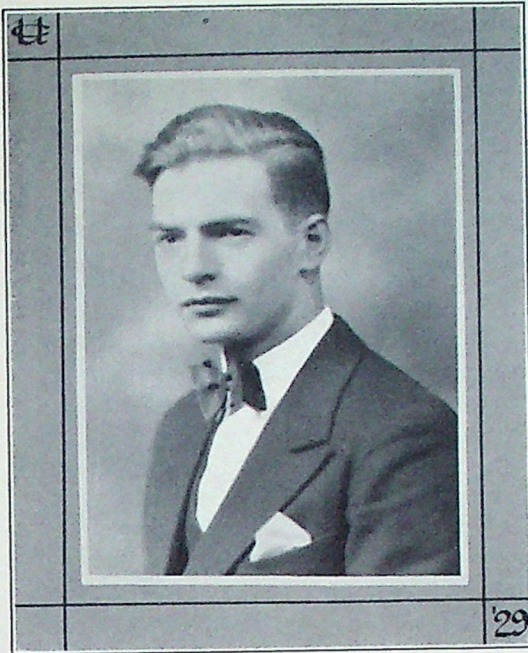
VIRGIL MILES

"Smiles"

Architecture

A VERY energetic chap, who has never been seen without a smile so long as we know him. It took him a rather long time getting acquainted with the boys, but now that he is one of "us", he is coming along great. Miles tells us he is a "barrel" maker, but as to the nature of the stuff he "barrels" he has not as yet informed us. Nevertheless we are taking it for granted he will come in handy at one of the future smokers. We believe he is holding out on us (regarding the contents of his barrels) so as he can spring a big surprise when the time comes.





ARTHUR MILLER

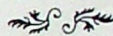
"Artie"

Architecture

Track, '27; Junior Varsity Basketball, '28; C. U. Tennis Club, '27, '28; Vice-Pres., '28; Junior Prom Comm.

ABOVE the roaring, screeching turmoil in the subway station after 9:30, one might hear a racket, causing him to believe for a moment that the conglomeration is Hedley's third symphony in C minor, but he gradually conceives it to be a distinct sound, and when the last echo of the coming train is gone, one may hear the powerful silver-voiced orator, Artie, practicing elocution, debating with his nocturnal combatant, R. A.

Remember, Artie, Oliver Goldsmith, the poet, playwright and author, wisely commented in his, "The Deserted Village", that the loud voice speaks the vacant mind.



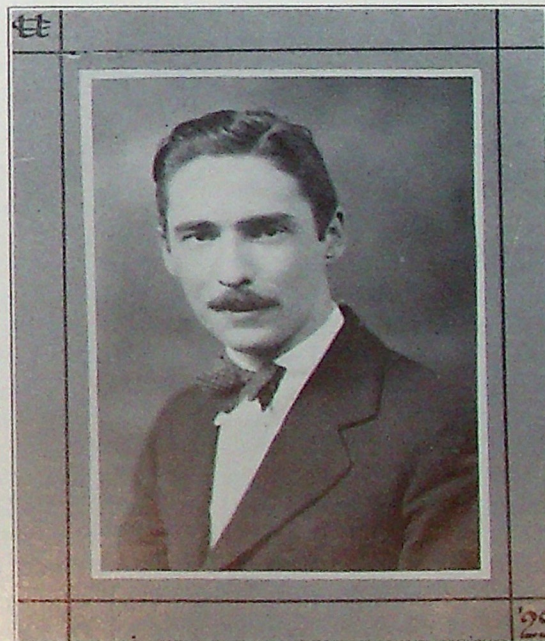
FREDERICK WILLIAM KENT MILLER

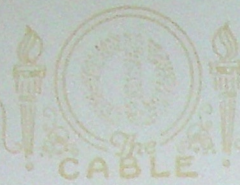
"Fred"

Ω Δ Φ

Chemistry

THIS name, suggestive of "Frederick the Great" and "William the Conqueror", might cause one to expect its owner to be a pompous, self-loving, over-bearing individual, but to know him for a few minutes is sufficient to dispel any such illusions and give one the impression—the F. W. K. M. stands for "Friendly, Willing, Kind Miller". Any attempt to elaborate further would be like painting the lily.





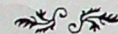
IRVING MOFSENSON

"Mofsy"

Civil Engineering

LONG after most of the students have departed from the Halls of Cooper for their nightly sojourn in bed you can see four figures in the dimly lighted corridor bent over their laboratory reports. One of these men upon closer scrutiny is none other than our erstwhile Mofsy, formerly of the Tech, now a member of the illustrious class of '29.

Guess what. Mofsy is a star track man. Would you think it by looking at him? His specialty is middle-distances and he sure can step. His speed on the track is surpassed only by the dexterity with which he operates a slide rule, a great combination, eh?



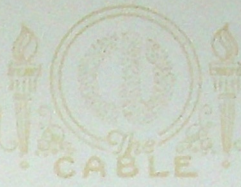
ANTHONY MONACO

"Mr. Borden"

Architecture

UNLIKE Red Grange, Tony delivers milk in the wee hours of the morning with his "gallant steed" Napoleon, who, we understand, is as dear to him as his best friend. For a lad that works during the night and early morning it is surprising to us all how Tony manages to be so bright and pleasant during his hours at school. We might also mention that a certain young miss, (at whose home Tony stops to deliver milk), gets up at three o'clock in the morning for the sole purpose of saying "Good Morning, Mr. Milkman". All in all, we predict a very bright future for Tony Monaco, in motion pictures and in the business world





FRANK A. MULLER

"Frank"

Architecture

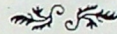
Class Secy., '26; Class Pres., '27, '28; N. A. S. C., '27; Vice-Pres., N. A. S. C., '28; Cable Board, '28; Ex Post Facto, '29.

AS EVERY show has its stars, so every institution has its luminaries, who unmistakably are the leaders of their classes.

In the Class of '29, Frank stands at the head. And we are glad to have him in our class as President.

Just a glance at Frank's activities and one easily sees what a fellow can really accomplish, provided he has the right spirit.

He does not restrict himself to doing abundant work only for the school, but he is also successful and consistent in "doing" the other fellows. We mean that he is rather "keen" when it comes to winning first prize each year.



OKE W. MULLER

"Oke"

Mechanical Engineering
Tech

WHY THE energetic Oke ever let his mind dwell upon a firing squad when he faced the camera nobody seems to know, especially since he is readily recognized among his classmates by his perpetually beaming countenance and winning smile. His magnetic personality is marked by the ease with which he can attract a circle of Art School belles and maintain their undivided adoration, much to the despair of the other struggling timid engineers.

His success as an entertainer in the Thanksgiving Day exercises is overshadowed only by the manner in which he supervised the Tech Junior Prom, making it score as one of the most successful affairs in any Junior Class history.





FRED. W. NAUJOCK

"Fred"

$\Phi \Sigma \Omega$

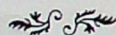
Mechanical Engineering

A. S. M. E.; Junior Prom Comm.; Class Treas., '28; Cable Board, '28; I. C. Basketball, '25, '26, '27; Football, '23, '24.

ONE OF Newton's laws says that the bigger they are the harder they fall. That Fred has fallen is quite apparent. She is so much on his mind that one night not so long ago he drove his glass-enclosed, motor-driven chariot to school.

When classes were out Fred serenely walked out of the door and took the subway home. Can you beat it?

Fred has three faults, a tin stomach, blonde hair and a craze for Fatima cigarettes. Still, he is one of us and really an indispensable one, at that.



ADOLPH NEWMAN

"Addie"

Civil Engineering

A. S. C. E.

HERE IS a case for Sherlock Holmes or Lecoq. Newman is one of those quiet, unobtrusive students, who seldom enter into a group discussion of an assignment. He usually accomplishes whatever preparations are necessary without any help. Still, he claims his daily work is of such a nature that it leaves him with little time for anything else. In fact, far too little to give proper attention to his class work. But have you ever seen this boy unprepared for a recitation? No, sir!

Think what a boon knowledge of his secret would bring to other students. Out with it, Newman, old boy, and give the rest of us a chance to share in your success.





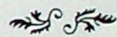
LEWIS NEWMAN

"Louis"

Architecture

IF THIS is Louis; one of the most good-natured, jolly boys you can find in Brooklyn.

His ambition is to become an Architect. Although he has found it difficult to become situated in this field, he has succeeded in acquiring a beginning. With the ambition he has shown in class, we have no doubt that he will be successful in his undertakings.



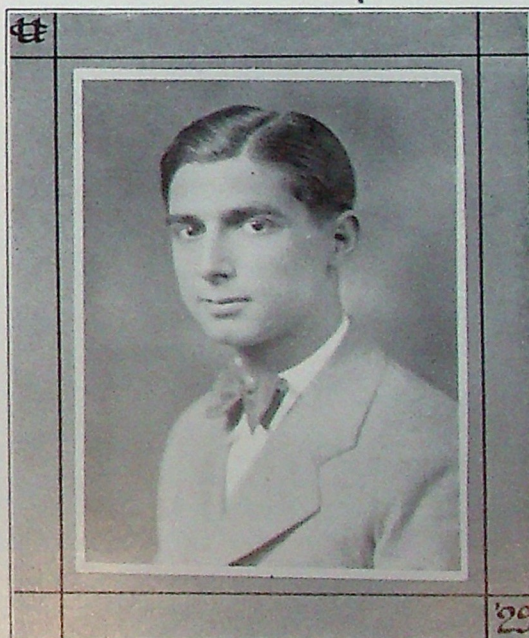
JAMES NOCIFERA

"Jim"

Chemical Engineering

IF PERCHANCE you should glance above, you will be confronted by the physiognomy of one known to his classmates as "Ever-ready Jim". It seems that no matter what the question asked by the Prof, Jim always has the answer on the tip of his tongue. Intellectual development has not been arrested or retarded in the case of James. In short, the boy has brains.

Four years ago James decided that he wanted to be a Chemical Engineer, so he came to Cooper Union to wrestle with intelligence tests and entrance exams. He overcame them so easily that he lost all respect for exams and now but one year remains before his ambitions are realized.





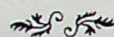
BENJAMIN PASSEL

"Benny"

Architecture

DO YOU know that Benny is another of his family to attend Cooper Union? This causes us to believe he has family pride. But, Benny, how about some pride for Cooper Union?

Benny has some good points also. His pleasant personality has won him many friends. Whenever you meet him, his smile is sure to greet you.



JOSEPH PEARLSTEIN

"Joe"

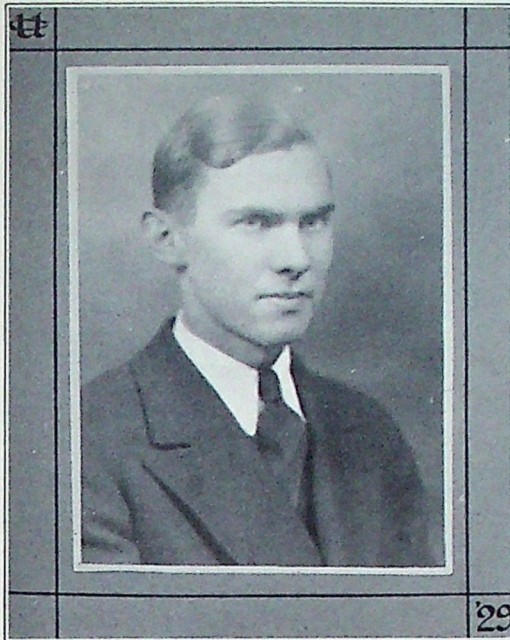
Chemical Engineering

Wrestling, '27, '28; Class Secy., '28; I. C. Basketball, '26.

WHenever any of us fellows want to know how to solve a problem or derive a formula all we do is go to Joe. He always either has a good excuse or a perfect solution. Fifty dollars of the Maximillian "One Hundred Dollar Prize" was awarded to him for the best academic standing of the first two years of the Chemical Engineering Course. What more decisive proof of his scholastic ability?

Oh, yes, by the way, Pearly is some mat shark. Whenever he feels that wrestling with figures is becoming rather tiring he goes to the gym and wrestles with the other members of the Cooper Team to keep himself amused.





KENNETH PETERS

"Ken"

Λ Σ K

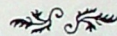
Electrical Engineering

Tech

Class Executive Comm., '28; C. U. S. C., '28.

"**K**EN" is always quiet and unassuming, except when a laboratory experiment goes wrong; then he assumes everything. His quietness manifests itself particularly at times when a Prof. forgets about the next assignment. He is very fond of calculus, it being his only vice, and often befuddles us by performing mentally, three integrations at once.

"Ken" is a decided asset to the class, for he does his work legibly enough for it to be understood by others who are in dire need of it.



BENJAMIN A. PINKUS

"Ben"

Class Pres., '25; Vice-Pres., '26, '27; Chairman Class Affair, '25, '26; Soph Hop Comm., '27; Cable Board, '28; Ex Post Facto, '29.

A. S. C. E.

"**B**EAU BRUMMEL" himself. Seeing Ben entering the Portals of Cooper Union gives the observer the impression that the College is a Motion Picture Studio. Many a coy smile has he ignored and many a heart has he broken but still he carries that same old nonchalant air.

Ben always finds the time to be active in school activities and still keep up in his studies. He always has a helping hand to lend, no matter what the cause may be, and he is a great promoter of college activities and student cooperation. Cooper needs more like him.





CESARE POLETTA

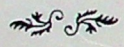
"Charlie"

Architecture

CHARLIE comes across the River from Long Island City. He also complained about the subway service and has found a way out. He and some of his colleagues travel back and forth in a "tin-you-love-to-touch".

Charlie has been the sort of a boy that helps make up a good, active class. Whatever activities we have, he is always willing to attend and see them through.

We wish that a few more would follow his example.



MICHAEL POWSNER

"Mike"

Chemical Engineering

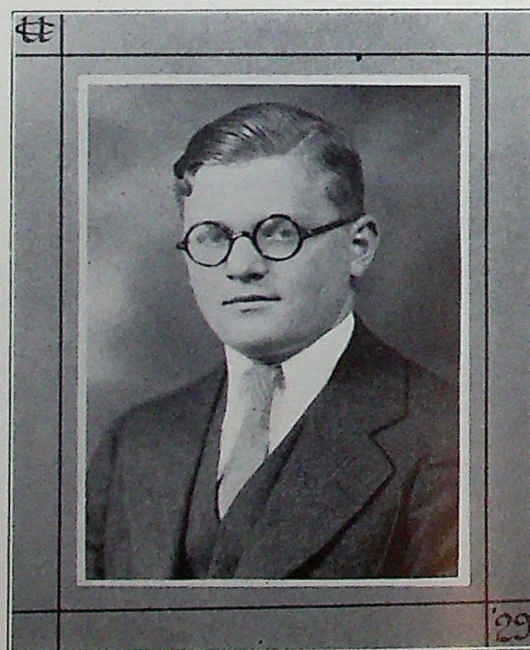
Tech

Pioneer, '26, '27, '28; Tech Council, '27, '28; Corr. Secy., '27; Class Secy., '28; Chem. Club Vice-Pres., '27; Pres., '28; Scholarship, '27; Math Club, '28; Tech Orchestra, '27.

GOD's gift to Cooper. The only living specimen of the genus homo male (in or out of captivity) who likes to work (sometimes). A possible explanation of this lies in the fact that Mike is a product of the New York public school system and comes from the great open spaces of Brooklyn.

His favorite hobby seems to be collecting secretaryships. Maybe he once received a Palmer certificate.

We wonder why he has made a habit of listening occasionally to the Prof's lectures?



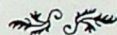


CONSTANCIO REBOSA

"Con"

Civil Engineering

THE twinkling of ukeleles and a mellow moon brings tears to Rebosa's eyes, and together with the Lab. experiments this life seems too hard for him. In spite of all these drawbacks he manages to ask the maximum number of questions. This small man can in one hour ask more questions than the "Guess Another Book". There are rumors around that his edition will surpass all previous publications. It seems that this habit is a good one for it brings him good results. A quiet chap is he, but still on the job to get his diploma and then the walking papers.



MAX RESNIKOFF

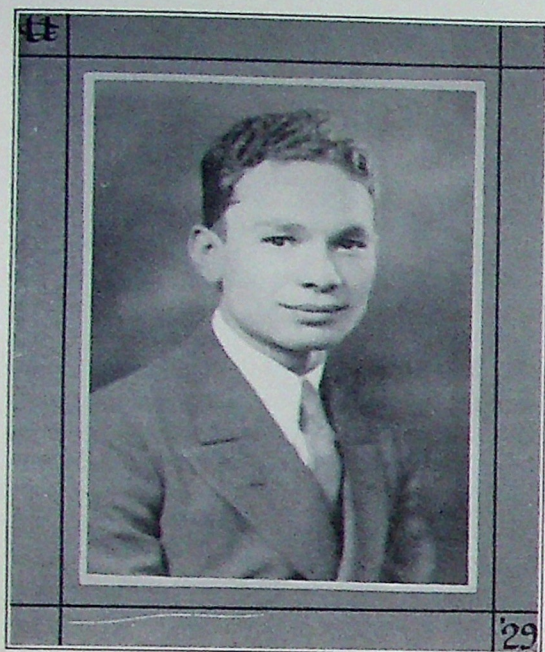
"Maxie"

Architecture

MAXIE comes to Cooper Union occasionally. When his outside business is not "very" pressing or when a flapper has not acknowledged his "sincere" flirtation, he comes to class to see if the Faculty is running the school in a manner befitting a college.

It is sure tough to come all the way from Flushing, and be led astray. It looks as though it will be necessary for us to buy you dark glasses, Maxie, so that we may have you with us next year.





HARRY ROBBINS

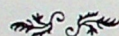
"Robins"

Architecture

ROBINS is a nice fellow, who, sometime during his youth must have been vaccinated with a victrola needle. He likes to talk.

He helps others with suggestions at any time when they are in trouble with a problem, and he is willing to take the time to discuss and explain it to them. So you can see where his "gift-of-gab" is an asset to the class.

The class thanks you, Robbins, for your kind co-operation.



LUDWIG PETER ROCKENBACH

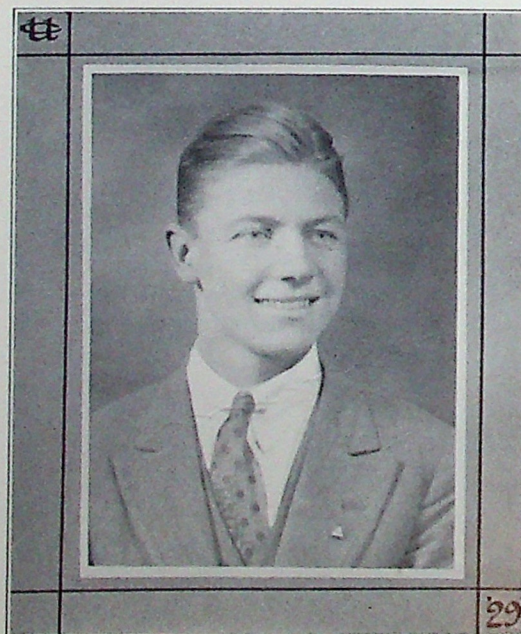
"Pete"

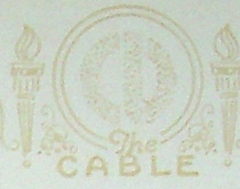
Chemical Engineering

Tech

Chem. Club, '25, '27, '28; Chem. Club (Vice-Pres.), '26; Rifle Club, '28.

PETE'S favorite occupation is wood-working and he is quite often seen scratching his head. Now for the scandal: Sh—, don't breathe a word to anybody. Pete smokes a pipe, yes, and with real tobacco also. Would you believe it to be possible just by looking at his picture? Pete is also practical. During the previous summer he hiked to Niagara Falls. He confided to us that his real reason for going to Niagara was practical foresight. When he eventually marries, he will be able to talk his bride out of making "the classic trip" and thus save money.





WILLIAM L. ROER, JR.

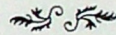
"Bill"

Electrical Engineering

Class Vice-Pres., '27; I. C. Basketball, '26, '27; Football, '28; Track, '28.

"BILL" is a champion in at least one of his diversified endeavors, being the only member of the class who can win an argument from the Prof.; for Bill sure can argue. He joined the football team this year to find something to argue about and as all of us know who have played football he sure must have found plenty to satisfy his desires.

Now that the football season is over Dame Rumor claims Bill is playing hero to some sweet young Miss. He sure has found one way to start a lot of arguments without expending much effort. Well! Serves him right.



ANTHONY J. RUDGERS

"Rud"

Mechanical Engineering

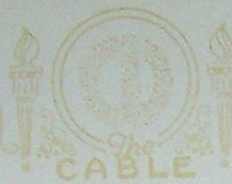
Tech

Class Vice-Pres., '28; Rifle Club, '28; Pioneer Staff, '28; A. S. M. E.

RUD is by far the most talented member of the class, being the only one who can do more than one thing at a time. Every Monday he may be seen leaning over a drawing board, actually drawing and singing at the same time, much to the dismay of the expressionless machine designers about him. Nevertheless, it does help to drive those Monday blues away.

As a power plant expert he has no equal. In a discussion on steam he can generate more of it than the largest marine boiler ever built. He specializes in power, either gas, water, steam or hot air.





VERE W. RUSSELL

"Vere"

Chemical Engineering

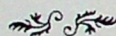
Tech

Pioneer, '26, '27; Rifle Club, '28; Chem. Club, '28.

THE smiling countenance upon which you have been gazing is none other than that of our own Lindbergh. Every day Vere travels from the wilds of Long Island and slips in the back door. V. W. often boasts that he comes from Lynbrook every morning but not about going back.

Vere is the man who keeps us supplied with jokes. As one of our instructors once said, "We never knew that we had a Will Rogers in our presence".

Vere has been trying hard (?) for the past three years to become a Chemical Engineer, but personally he would make a good surveyor.



EMANUEL A. SALMA

"Sol"

Electrical Engineering

Tech

A. I. E. E.

Class Treas., '28; Pres. Chess & Checker Club, '28; Rifle Club, '28; Baseball, '27, '28.

EMANUEL is one of the big fellows of the class, but like most big men he under-rates his abilities. Why, only recently he took us into his confidence and admitted that he is attending Cooper in order that there may be at least one outstanding "Electrical Engineer" to fill the vacancy in this field.

It is none other than Sol, who is class treasurer, just as his mother predicted he would be. This, however, may be listed among his minor activities; for he sets the pace for the marksmen of the Rifle Club.





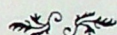
JOSEPH SARAVISKY

"Joe"

Electrical Engineering
Tech

*J*OE CAME all the way from Englewood to get hit by a piece of chalk thrown from the top floor of the Foundation Building. He started to climb seven flights of stairs to show the culprit the error of his ways and has been with us ever since.

Joe is the type of fellow you can count on to help do anything, whether it be to see who can come nearest to drowning in the pool, or to find out if four out of five actually have it. And when he steps out for himself, well, he owns a roadster. Isn't that enough?



WALLACE SCHAU

"Wallie"

Electrical Engineering
Tech

*B*EHOLD the world's most prolific reader of that informative magazine, the Saturday Evening Post—5c on all news stands, free on all subway seats. His sole ambition is to become a proofreader for the Curtis folks, and so get paid for reading his favorite ads.

Speaking of favorites, Schaub is offering to a gullible public a bargain rarely seen, his 1903 Fierce Sparrow, which he has raised from a pup, for the appallingly low price of \$1.50, completely equipped with the exception of tires and engine.

Seriously, though, this lad is not so bad as he is painted, and he can make the grandest smells in the Chem. lab!





GEORGE SCHWIND

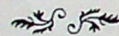
"George"

Mechanical Engineering

A. S. M. E.

THIS is one chap to whom studies come easy and his willingness to assist a classmate in distress, at times produces dire results, such as teaching the entire class.

His home town is Brooklyn, in the neighborhood of Flatbush, and from what we hear there is some attraction there which makes him head for home as soon as classes are out.



ABRAHAM SEGALL

"Al"

Architecture

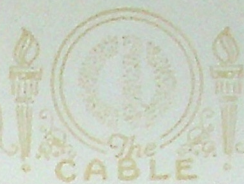
Pioneer Rep., '26.

A REAL collegiate. In Al we find the closest resemblance to a true collegiate, (the type we read of in College Humor), we have yet discovered. He seems to be the very essence of a "Kollege Kut Glothes for Klassy Kollegians" adv. Steel shod heels, broad soled shoes, baggy trousers, sloppy socks, loose-tied, flashy four-in-hand, smart Dunhill, "take your time" countenance and a smartly cocked felt, make up the general picture of Al.

Despite his shortcomings, however, he's all there with his famous P's: "poise, personality and pluck".

Oh, girls, opportunity knocks but once; he votes, is not married and hasn't all his brains in his feet—not all.



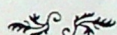


MURRAY SHAPASS

"Shapass"

Architecture

SHAPASS roams around bothering no one and hoping that he will be unmolested himself, especially by bill collectors. He hates bill collectors—of course we all do, but he exists in a continual fear of any money taker. However, Shapass is not so bad, since he never comes among us with stories of his great works.



BORIS SHTEINSHLEIFER

"Borris"

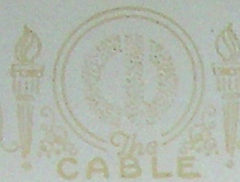
Civil Engineering

SNEEZE and you have it. Many a Prof. has scratched his head in vain and asked the question, "How do you pronounce this, Shteinshleifer?"

Shteinshleifer is the answer. As easy as climbing a cactus tree and much more pleasant. If names ever started a war we wager that Borris would be one of the main contestants.

He is just a steady student, always well up in his work and ready to learn anything that is new.





ROBERT SLEVIN

"Bob"

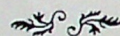
Architecture

Basketball, '26, '27, '28; Football, '27; Baseball, '26.

BOB Slevin is a conscientious young man with an athletic turn of mind. But don't get us wrong. We don't mean as far as dumbbells go.

It's with the football team that you hear of Bob. He practiced regularly and played consistently. We admire him for his perseverance, for it takes a good man to work during the day, go to school at night, and still find time to play on the college football team.

With his qualities we're sure he will be a success in the near future. Good luck, ole' boy.



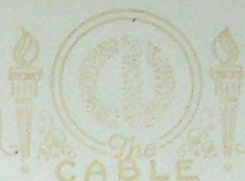
ALBERT SMITH

"Al"

Architecture

THIS IS Al Smith from Yonkers town,
The "burg" near the Hudson of great re-
nown;
He travels from school in his big limousine,
We don't know what kind, for it we've
not seen.
He works hard all day and studies at night,
For he has a great goal within his fore-
sight;
His aim is to be an Architect great,
With the world as his "drawing board"
and fame as his "plate",





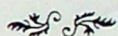
NATHAN SOOKMAN

"Nat"

Electrical Engineering

NAT is our own embryo millionaire. Whenever he is asked to subscribe to anything or buy tickets for some school affair he is sure to remark, "Well, how much is it?" Shall I write out a check or would you rather have cash?" Nat, in other words, is the bill collector's conception of paradise.

Those who know him well call him the "east side landlord" and claim that he and Tammany own most of the real estate between 4th Ave. and the East River. We don't know how true these rumors are, but sure wish him luck on his first million.



RUDOLF D. STAPPER

"Rudy"

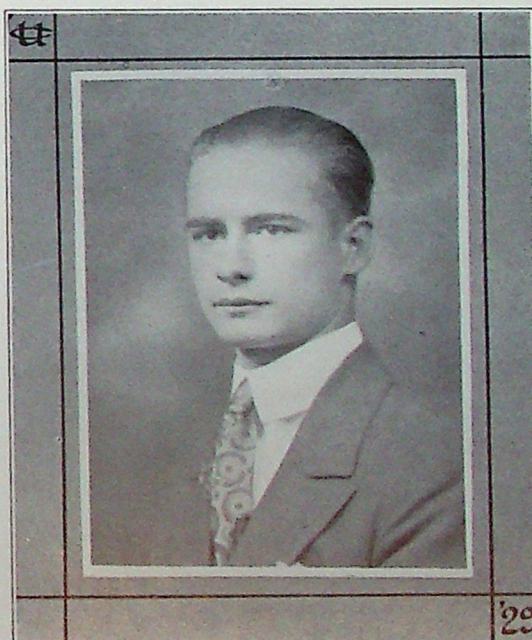
Mechanical Engineering

Tech

Rifle Club, '27; A. S. M. E.

MANY good things come from Paterson, New Jersey, but that is not the reason Rudy (as he is known to us) comes from there. Several things distinguish "Stap" (another nickname) from his classmates:—the green eye-shade he wears in drawing, the oversize suitcase he carries his knowledge in and a new suit every Monday morning (where does he get them all?).

Rudy's a quiet chap and gets things done when he wants to, which isn't very often. His hobby is aviation, but he hasn't grown wings yet. We could rave on and on, but what's the use? Just gaze upon his physiognomy and you'll know him better than we do.





ARNOLD STIER

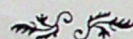
"Stier"

Architecture

THERE is the poor old man who requires permission to leave school at 9:00 o'clock in order to get to Garfield, N. J., before morning.

Funny thing, Stier just about gets here and then turns around and goes home again. Sure must be some other way to make the trip shorter. How about an aeroplane?

We must admire Stier for the way he bears up with these difficulties. Nothing can wipe away his happy smile.



CHARLES E. STROLLE

"Charlie"

Chemical Engineering

IT is regretted that the task of writing up Charlie was assigned to us at this time. Only recently we had one of those "very studious, excellent scholar" descriptions carefully prepared for our Charlie. Unfortunately, the recent entry of our former prodigy into the ranks of "gas bugs" has necessitated a complete revision.

Whereas, week ends were formally devoted to section modulus, indefinite integrals, etc., fascinating problems in anti-freeze solutions or the relative calorific values of Socony versus Tydol now engage his attention.

Frankly, while we lament the decline of our scholastic idol, the ignominy of confessing ignorance in quiz classes is easier to bear when shared by the entire class.





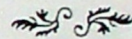
ABRAHAM SULZBERG

"Salty"

Architecture

A VERY fine chap, who always has a broad smile for everyone. Although he doesn't know a thing about it, we have learned from his better half that it was his smile that won her.

We sure do predict a great future for you, "Salty", if your smile has such winning powers. But just a little tip. Now that you have won a lady fair it will be better not to hand out smiles to our pretty maidens at Cooper. "Be careful, 'Salty'".



HOWARD F. TALLMAN

"Howie"

Electrical Engineering
Tech

"HOWIE" comes to Cooper from the wilds of New Jersey, where only the hardiest of Pioneers dare to venture.

When D. C. questions arise, Howie is referred to as an authority. Where the authority comes from, we fail to see, but his studious air gives one the impression that he really knows something.

To get down to facts, though, Howie is really a pretty good student. This is principally due to the fact that he does not accept things as given him, but analyzes them for himself. Hence he thoroughly understands his lessons, and this is what is reflected in that "studious air" before mentioned.

In conclusion, it is fitting to state that he is the champion mince pie eater of the Tech.





SOLOMON TAYMOR

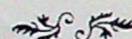
"Sol"

Mechanical Engineering

A. S. M. E.

THIS fellow is so quiet in class that we never really know whether he is in or not until the Prof. asks a question which no one seems to know how to answer. Here's where Sol fills the breach.

We don't know much about his home life, as he is very conservative in his speech concerning this matter. No doubt it is very peaceful; how else could it be with the serene expression above.



EDWARD V. TRAPANI

"Trap"

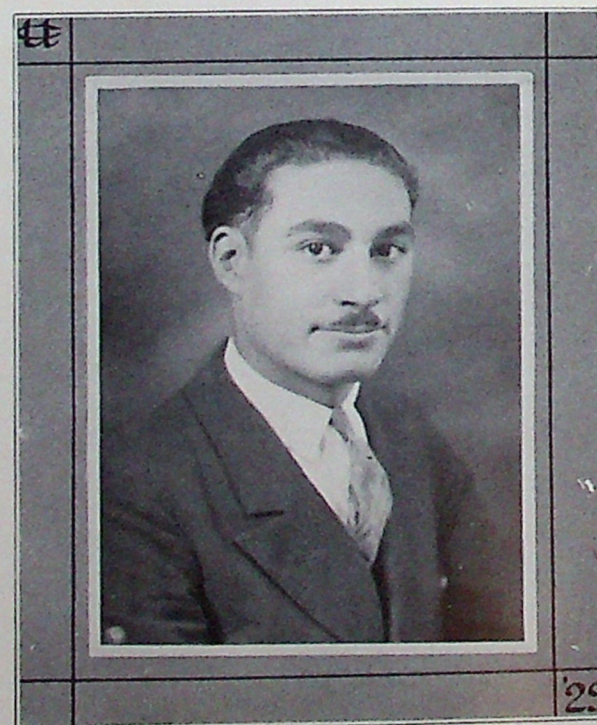
Mechanical Engineering

Tech

Treas. Students' Council, '27; Sec.-Treas. Math. Club, '28; Sec. A. S. M. E., '28; Rifle Club, '27, '28; Scholarship, '27, '28.

TRAP hails from Passaic, the "red" city of the east. He is more intelligent than the average red, however, and has pulled in two scholarships. He is the math. professor's delight, for he always succeeds in doing what nobody else can. Several times it was noted, however, that in hydraulics he was all "wet".

Oh, and before we forget to mention it, girls, take a good look at his lip adornment. You may never see the specimen again, for we hear he is going to do a parachute jump at Teterboro this summer.





STANLEY VON RIMON

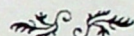
"Stan"

Civil Engineering

A. S. C. E.

RIMON is a man from Missouri. It took us two weeks' time to explain the purpose of class dues to him. The best part of it is, however, that he always pays first and asks questions afterwards.

He is a steady worker behind the scenes, letting the other fellows make the bows. Here's to an unselfish supporter and a real good fellow.



CHESTER E. VOORHIS

"Chet"

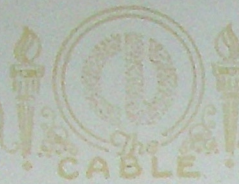
$\Phi \Sigma \Omega$

Civil Engineering

A. S. C. E.; I. C. Basketball, '25, '26, '27, '28; Class Pres., '26, '27; Vice-Pres., '28; C. U. N. S. C., '26, '27, '28; Annual Affair Comm., '27, '28; Editor-in-Chief, '28 Cable; Chairman Ex Post Facto, '29; Editor Freshman "Bible," '28.

CHET hails from the storm-ravaged plains of Rockville Centre, where mustachios grow big and men are workers. The onslaught of the storms, jealously ripping the hirsute appendage from his face, has kept Chet's whiskers below standard, but nothing has prevented his maintaining the standard as a worker. One glance at the above array of activities is enough to convince the most exacting.





GEORGE WARDWELL

"Georgie"

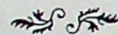
Mechanical Engineering

Tech

Baseball, '26; Basketball, '27, '28; Asst. Baseball Mgr., '26; Executive Comm., '28.

ONE bright October day; it must have been bright for he is a sunny child, Georgie came down from Connecticut to become an engineer. Soon, however, his thoughts began to wander elsewhere, first to baseball, and then to basketball. Baseball and spring exams did not mix well, but basketball still serves to keep his adipose tissue down.

In spite of the fact that Wardwell once grew a "facial adornment" and plays a saxophone, he is a jolly good fellow and very well liked.



WILLIAM WATSON

"Bill"

Architecture

BILL is a good-looking chap, who makes a good-looking drawing. He is also helpful to the other fellows by always trying to change their ideas.

His hobby is books—and what kind? After he reads them he selects one of his many girl friends to dramatize what he has read.

All we have to say is that we hope he does not make a mistake some time. Be careful, old boy.





ALEXANDER WEISS

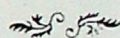
"Alex"

Civil Engineering

Tech

ALEX is an unknown quantity. It is for this reason, if for no other, that he is graded "X". He is always to be seen slouching around in the background, especially if there is work to be done. In fact, Alex is an honorary member in that world-famous fraternity, the I. W. W.

In this respect he is on a par basis with the honorable Cooper "Alumni", who may be seen lounging about on the campus at any and all times. However, some very far-sighted person once said that Dave would some day become an engineer. He might possibly make a consulting engineer, where he has the privilege of consulting those who know.



MARTIN WEISSBURGG

"Mart"

Electrical Engineering

MART is the class's Captain MacPherson. "For no matter where our Marty went, the girls all followed him. They chased him, pursued him, they would not let him be. Till at last he came to Cooper to get a resting spree."

Now that he is kept busy five nights a week he feels more at home and his only worry is what to do after he graduates.





CALEB J. WESTERGARD

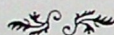
"Westerhouse" "Kelly"

Mechanical Engineering

Tech

Class Treasurer, '26; Student Council, '26, '27; Executive Committee, '27; Tech. Circulating Mgr. Cable of 1928; A. S. M. E.; A. A. Representative, '27, '28.

LARA BOW-LY speaking, "Kelly has IT". We have never seen a fellow who tries so hard to keep away from work and still get so much done. Not only has he kept his standing high in the classroom, but it has also been a common occurrence to see him handing in A. A. dues, CABLE money, etc., while he seems to collect without any trouble at all.



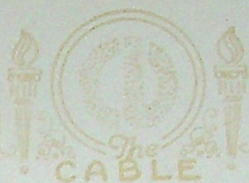
BERNARD WIATRAK

"Sheik"

Architecture

BERNEY is another one of our quiet boys, but very pleasant and sociable. In spite of his quietness, we understand he is quite a "sheik" with the fair sex, but taking a second look at the above exquisite miniature, we can easily form a conclusion. It was with difficulty and with no end of promises that we managed to get Barney to photo for us. He assures us that, were it not for his sincere loyalty to his Alma Mater, he would not do this for anyone.





HAROLD WILLIAMS

"Har"

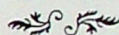
Architecture

HE is one of the sort called an all-around sport." Here we have another prominent member of the Junior Class and we believe very few words are necessary to express our thoughts of "Har".

Up to the present, it has been understood that "Har" has always been a constant attendant at the school in spite of the fact that he comes in from Paterson only for the sessions at Cooper.

That is enough to show that "Har" is appreciating the opportunity of being one of the thousands of students attending the school. "Har" told us that he did not mind the trips in the least, because he knew that when he reached his desk he had his tootsie-roll next to him to keep him company. Who is he?

Boy, Page Skip.



WILLIAM WINSTON

"Bill"

Architecture

BILL is another out-of-towner; he comes from Jackson Heights, L. I. He is a fellow who does not make friends rapidly, but those he has made are permanent. Of course, this does not make him unpopular with his fellow students. He is always willing to help out the other fellow.

No doubt that with his personality he will some day be, Winston, the Architect.





IRVING WITCHEL

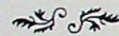
"Witchell"

Architecture

ONE of the toughest jobs we have is to locate this fellow, Witchel. It is seldom that you find him where he is supposed to be: at school. He sure must be occupied at some other place. Maybe he has a strong weakness for "wimin".

We really cannot form any opinions, since we have not been intimate with him.

We hope his attendance will improve so that we may become better acquainted.



WILLIAM H. WUHRMAN

"Worms"

Architecture

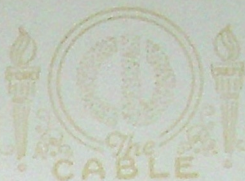
*"Always jolly, full of fun,
He's a friend to everyone."*

THE WILLIAM, more popularly known as "Worms", came to Cooper Union in 1925. Since he began work at that time, it is evident that he has progressed very rapidly both in his studies and popularity.

We know that the third year Architects agree that "Worms" has been a fine friend to each and everyone. For this reason we believe that he will come out on top in his Senior Year.

As we understand, "Worms" hopes to continue this line of work in all its branches and we, therefore, wish to extend him the Best of Luck.

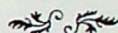




HERMAN YAGODA

Chemical Engineering
Tech

YAGODA is a good scout, but he does not know that ignorance is bliss. He can think up more questions to ask the Prof. than all the rest of the Heat and Thermo class put together. However, in the chem. lab. he works with neatness and dispatch, and is usually so far ahead that the rest of the class gets blamed for being too slow. His main fault is, that if there are two or more ways of working a problem, he will invariably pick the hardest possible way and arrive after devious wandering at or near the correct answer! His life ambition is to effect a quantitative separation of the rare elements. His outstanding virtue is an infinite capacity for taking pains and you know what that signifies.



PASQUALLE ZAINO

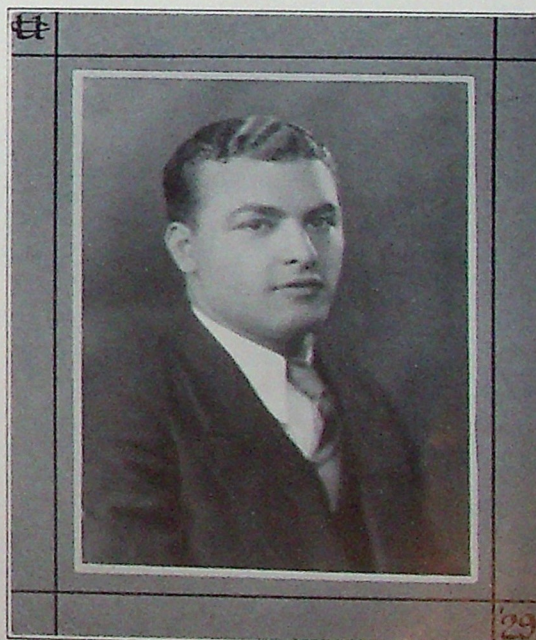
"Pat"
 $\Phi \Sigma \Omega$

Civil Engineering

OVER in Long Island City (where, tho men are men they say the plumbing is rotten) there exists a legend concerning some dark young man with a sport touring car, who bids fair to ruin many a girl's heart. Ed. Note: For further particulars see some issue of "The Police Gazette".

After untold investigation he was found and sentenced to Cooper Union with five years at hard work.

Pat is probably the most proficient terpsichorean artist deigning to grace the Halls of Cooper. This, together with his handsome countenance and an engineer's education, ought to satisfy anyone.





GEORGE ZURICH

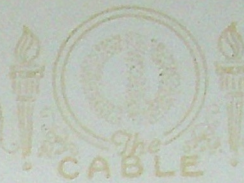
"East Side Landlord"
Electrical Engineering

OUR GEORGE is an instructor in German now during the drawing period. Each Tuesday evening finds "Landsman" Zurich with one hand on his T square, the other on his triangle, and it all looks good but the hands don't move, for George is too busy showing us how little German we really know.

Some day we're going to stage a real old fashioned beer party and let George be the master of ceremonies,—Until then—

"Hoch sol se laben!"





Autographs

Junior Autographs

[183]

NINETEEN HUNDRED and TWENTY EIGHT



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NINETEEN HUNDRED and TWENTY EIGHT

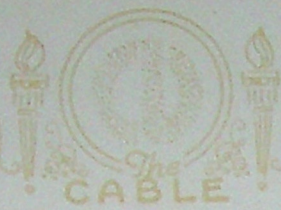


CLASSES



1930

NINETEEN HUNDRED and TWENTY EIGHT



General Science 1930

NINETEEN HUNDRED and TWENTY EIGHT

GENERAL SCIENCE, 1930

President
JOSEPH A. CAMPBELL

Vice-President
JOSEPH FODY

Secretary
GEORGE HENDERSON

Treasurer
JOHN J. LYNCH



*W*E are now on the third lap of our journey through good old Cooper: a journey marked by many pitfalls. Although we find that the way is anything but the proverbial "bed of roses" yet we are consoled by the thought that whatever is worth having is well worth working for.

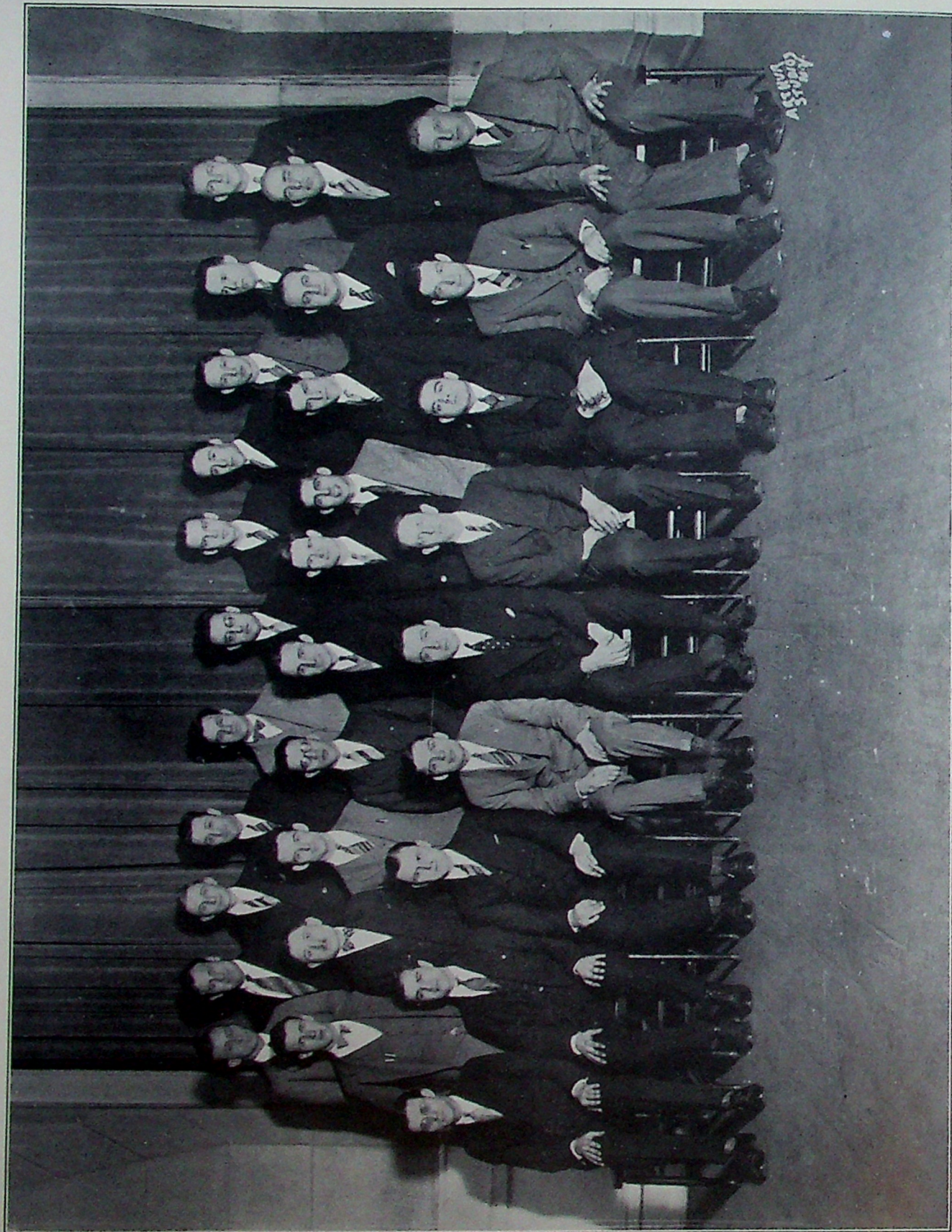
The class was organized soon after the official opening of school and plans were soon formulated toward the holding of the usual "Annual Frolic". It was finally decided that it was most desirable to again hold the dance in the place that it had been held the year previous, namely the K. of C. Club-Hotel.

As a result the evening of February 11th saw many of our tall, bright and handsomes escorting their maidens fair through the lobby of the above-mentioned hotel. There they joined in a happy and spirited union to celebrate class good fellowship and spirit.

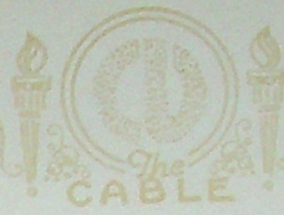
After the dance there was a crusade to Riggs at which place the evening was very fittingly brought to a close.

We now say adios in keen anticipation of making the grade to another reunion in our Junior Year.

THE HISTORIAN



Electrical Engineering 1930



ELECTRICAL ENGINEERING, 1930

President

ELIOTTE J. TALAMINI

Vice-President

LEO F. MOORE

Secretary

LESTER TIMM

Treasurer

FRANZ STUBNER



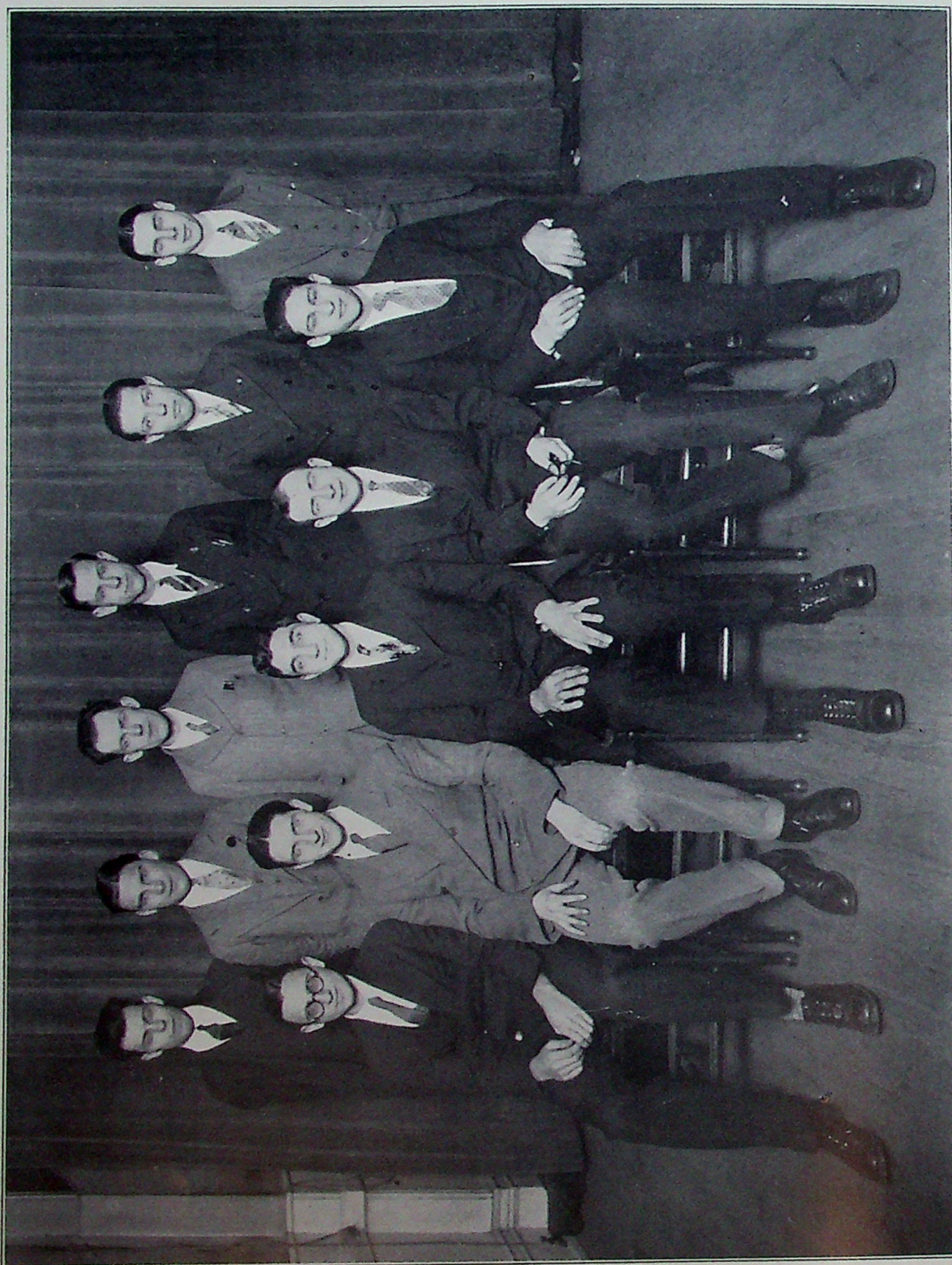
A GAIN we met—this time in October, 1927. By then however we were sophisticated upper classmen and settled down to business immediately. The previous years had taught us that to keep pace we must work. Elections were shortly held and the men above were chosen for their respective offices.

Messrs. Borges, Dundascheck, Hunter, and Stromberg were later chosen to serve on the standing social committee and to them are we indebted for the social gatherings during the year.

The annual class affair was most successful. Under the direction of the social committee we were ushered into the Blue Room of Jannsen's Hofbrau. After partaking of a palatable meal we escorted the "lights of our lives" out upon the gleaming waxed floor, there to demonstrate in ecstasy an engineer's conception of ballroom dancing.

In closing our chronologue we wish to thank those of the faculty who honored us by attending our party and the class officers who have done their share in making this a successful year.

THE HISTORIAN



Chemical Engineering 1930



CHEMICAL ENGINEERING, 1930

President

FRANK I. STROM

Vice-President

VINCENT ALBANO

Secretary

HAROLD V. WADLO

Treasurer

ROBERT A. EHRHARD



THIRCE has the year glass been filled with the ever-flowing sands of time and still we travel on. All that is left of those sixty of us who, filled with ambition and buoyed up with hopes of future prosperity entered into the portals of Cooper. We entered to evolve as Chemical Engineers and with that in view we still carry on.

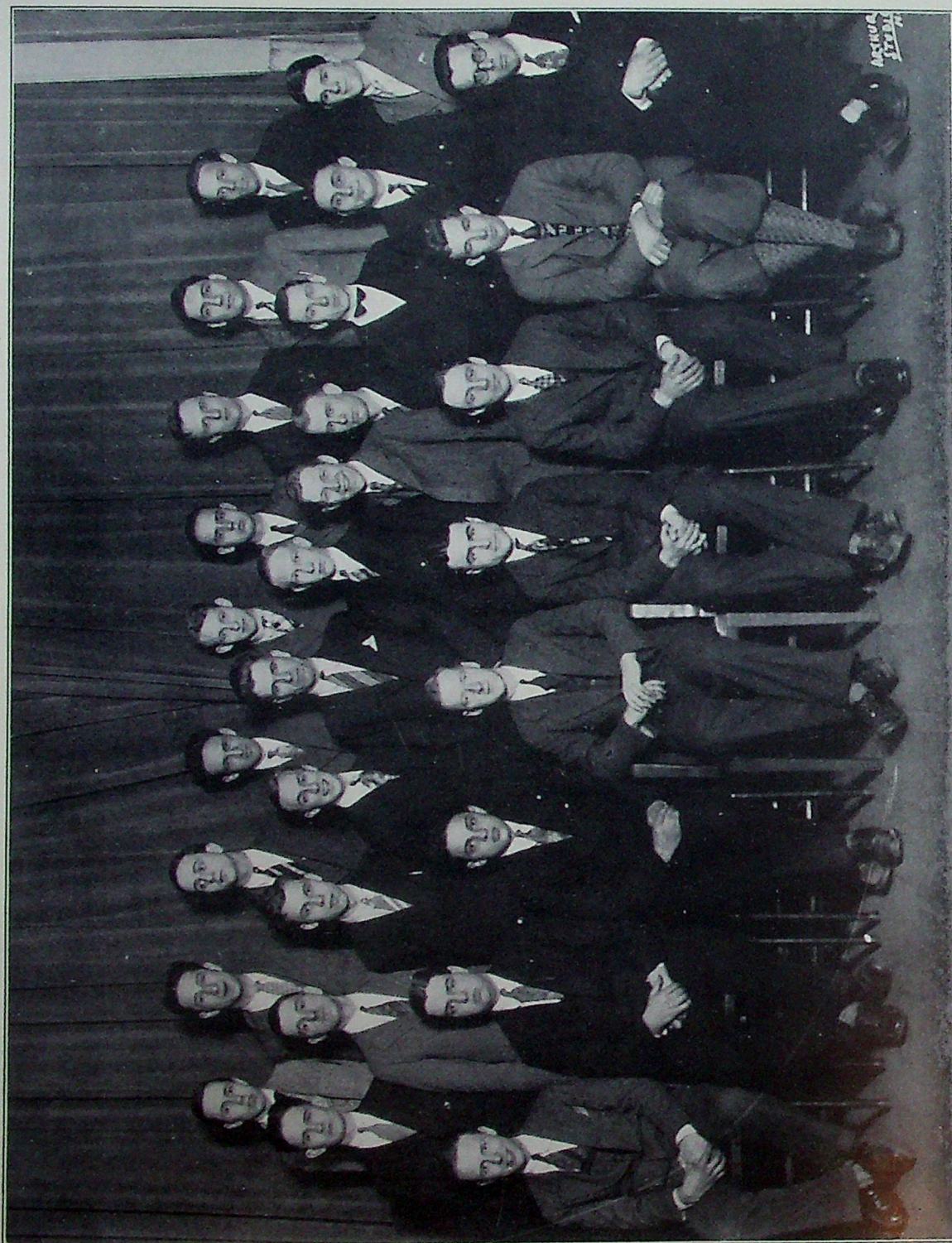
Few have been our diversions and far apart our organized escapades. The good times that we have had in the three years now past, however, have been good times indeed and in a measure have served to strengthen those bonds of friendship so vital to a successful class organization.

The first year was marked with the holding of a class dinner. That this affair was a success is evidenced by the fact that fond thoughts of it still linger in our memories.

The second year, however, went by without a class affair of any sort so that to atone for this, the class this year soon organized and had a dinner dance which for days after was the topic of conversation.

May next year still see us together and may we then join hands in good fellowship as Juniors.

THE HISTORIAN



Institute of Technology 1930

NINETEEN HUNDRED and TWENTY EIGHT



INSTITUTE OF TECHNOLOGY, 1930

President
JAMES MCCONAGHY

Vice-President
JOHN REYNOLDS

Secretary
ABRAHAM T. ZUCKERMAN

Treasurer
JAMES P. S. O'DONNELL



OUR SOPHOMORE YEAR began with an inventory of those present. Many of the old familiar faces were not there when the roll was called starting the new year. Those of us remaining soon called a meeting and the Class of 1930 was fully organized with new officers and new ambitions.

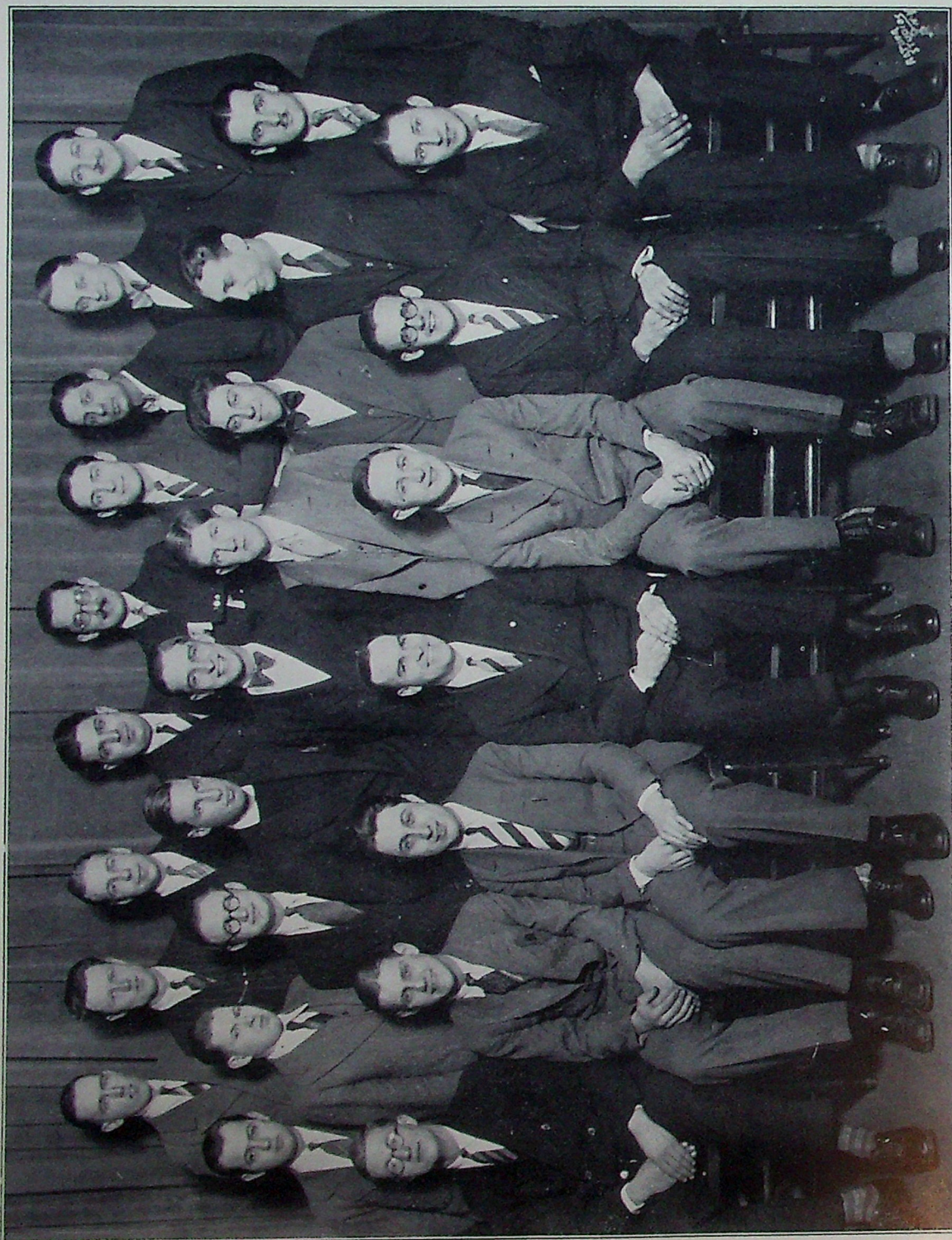
The first of the latter was realized at the Thanksgiving Entertainment where a pantomimic burlesque, garnished before and aft by the class musicians, helped make the annual show a smiling success.

After the Christmas Holidays fifty of our sixty odd Sophomores came back in January with a knowledge hazier, if anything, than when they left.

As for the Class Dinner in February there is really no need to mention it for though "Ice may melt and eggs grow stale that meal lives on forever."

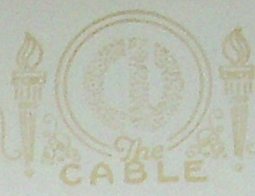
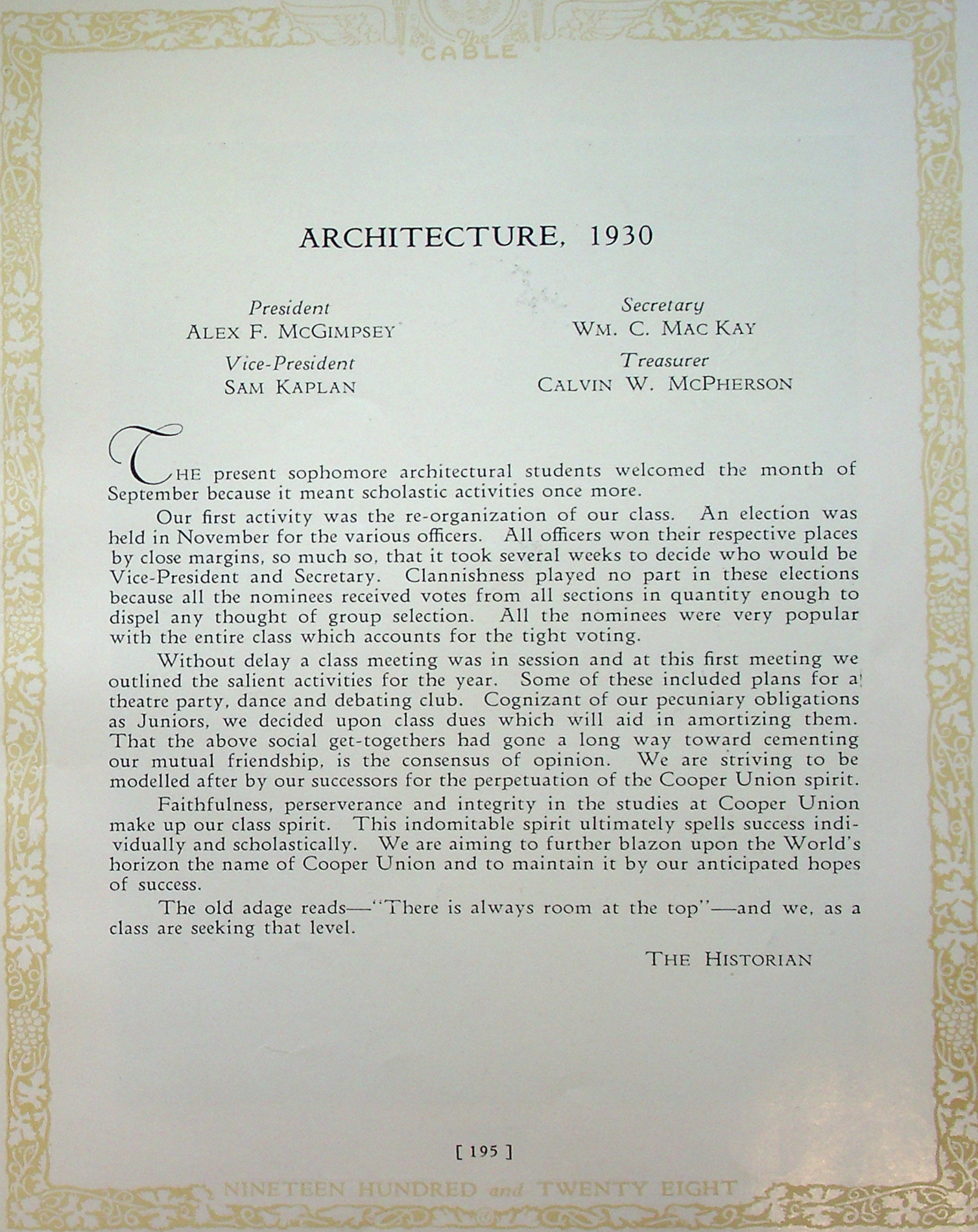
As "men about town" we '30 men were fairly active. Though there were, and will be other classes which rank higher in school activities it is with doubtful regret that we say we are sorry we were not more inclined toward athletics, clubs, and other school affairs. For, in a measure, the members of the class feel that college is primarily, a school of learning, and not "a campus with a school attached." Of course where Cooper is involved this last phrase is just a figure; nevertheless, the size of our roll call shows that we practice what we preach.

THE HISTORIAN



Architecture 1930

NINETEEN HUNDRED and TWENTY EIGHT



ARCHITECTURE, 1930

President
ALEX F. MCGIMPSEY

Vice-President
SAM KAPLAN

Secretary
WM. C. MAC KAY

Treasurer
CALVIN W. MCPHERSON

THE present sophomore architectural students welcomed the month of September because it meant scholastic activities once more.

Our first activity was the re-organization of our class. An election was held in November for the various officers. All officers won their respective places by close margins, so much so, that it took several weeks to decide who would be Vice-President and Secretary. Clannishness played no part in these elections because all the nominees received votes from all sections in quantity enough to dispel any thought of group selection. All the nominees were very popular with the entire class which accounts for the tight voting.

Without delay a class meeting was in session and at this first meeting we outlined the salient activities for the year. Some of these included plans for a theatre party, dance and debating club. Cognizant of our pecuniary obligations as Juniors, we decided upon class dues which will aid in amortizing them. That the above social get-togethers had gone a long way toward cementing our mutual friendship, is the consensus of opinion. We are striving to be modelled after by our successors for the perpetuation of the Cooper Union spirit.

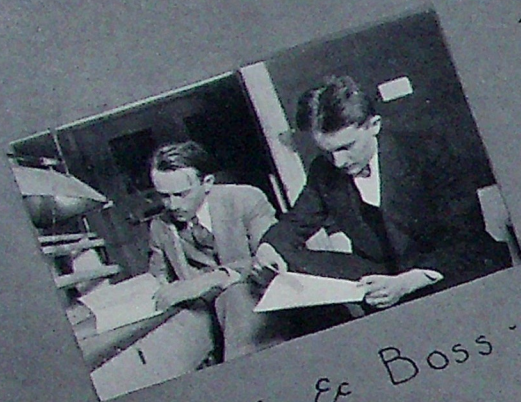
Faithfulness, perserverance and integrity in the studies at Cooper Union make up our class spirit. This indomitable spirit ultimately spells success individually and scholastically. We are aiming to further blazon upon the World's horizon the name of Cooper Union and to maintain it by our anticipated hopes of success.

The old adage reads—"There is always room at the top"—and we, as a class are seeking that level.

THE HISTORIAN



CABLE
'28



- Chief & Boss -



- Board of Censors -



- At Conference -



- 1500 Books -



CW

- Finishing Up -

NINETEEN HUNDRED and TWENTY EIGHT

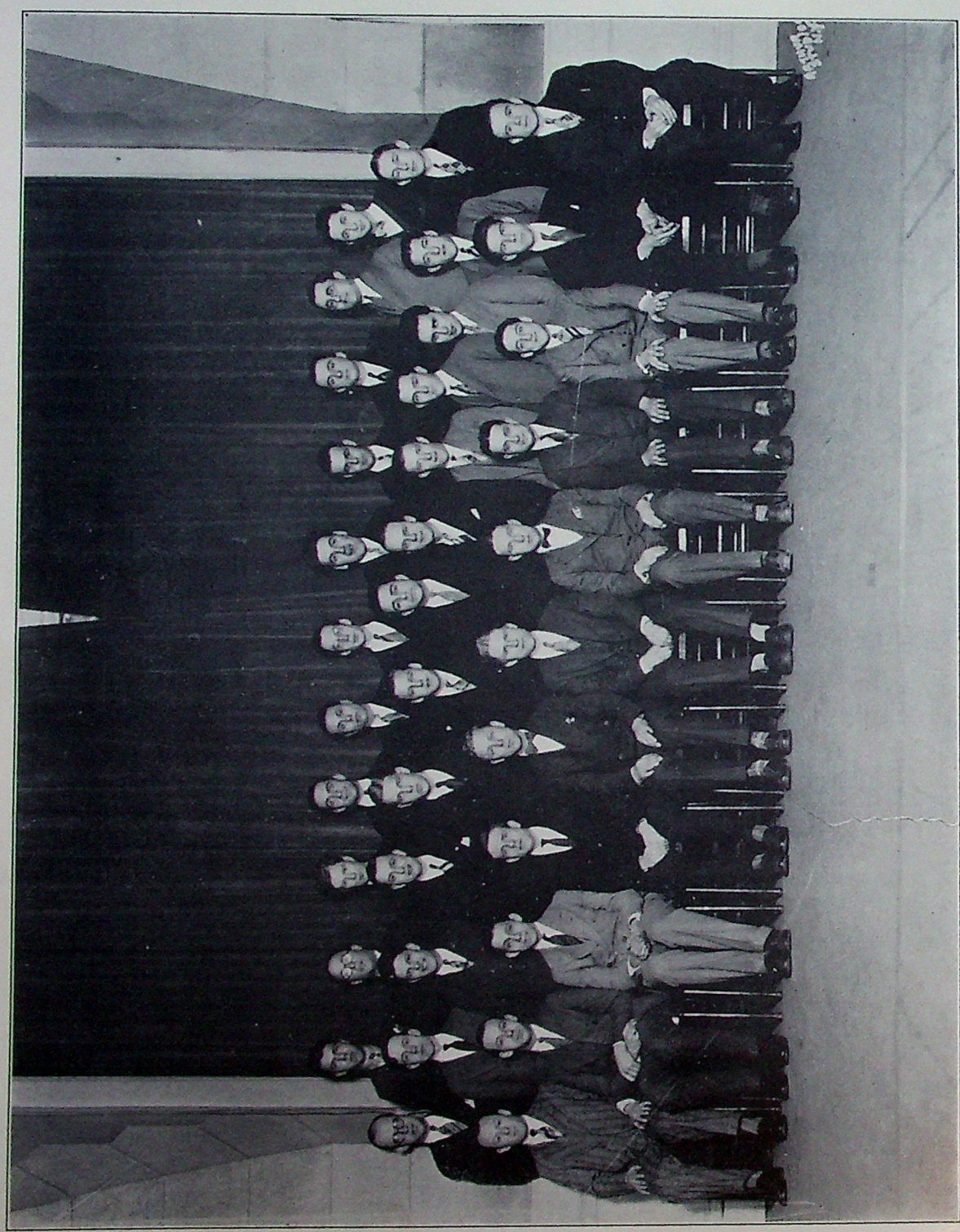


CLASSES



1931

NINETEEN HUNDRED and TWENTY EIGHT



General Science 1931

NINETEEN HUNDRED and TWENTY EIGHT

GENERAL SCIENCE, 1931

President

HERBERT A. KAMMANN

Vice-President

HOWARD I. EMERY

Secretary

JOSEPH J. HIGGINS

Treasurer

VINCENT E. SMITH



ON OCTOBER 4th, those of us who survived the nerve-racking ordeals of initiation into Cooper via the first year, took up the toil of the second year with a vigor gained only after a fully enjoyed summer holiday.

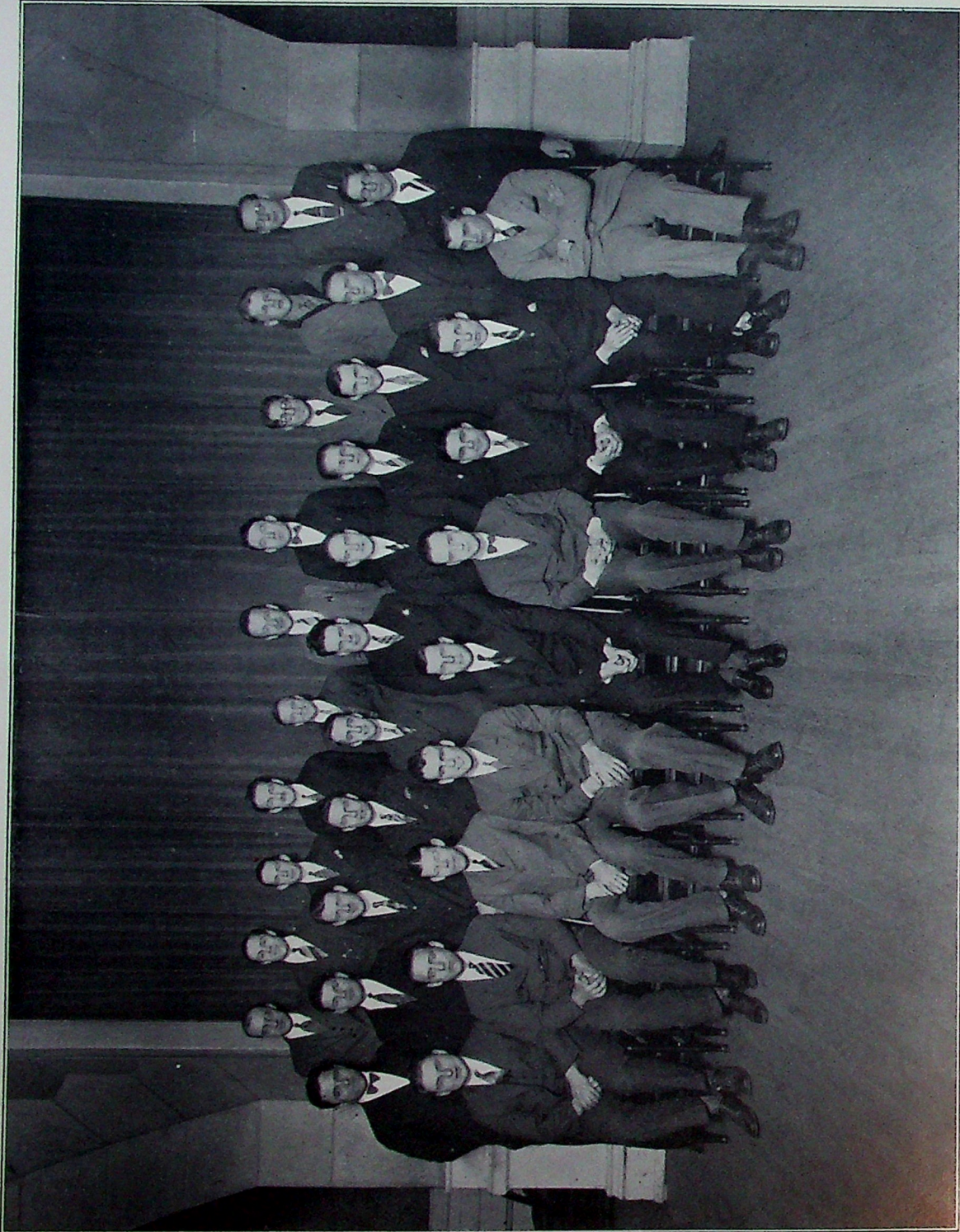
Being by now a battle-scarred group we were fully prepared to attack and attempt to master the work laid out for us. The class was duly reorganized and the officers elected shortly after the start of the term.

The class soon turned its attention to the holding of a Class dance. A committee was elected and the project was soon under way. The dance was held on the night of February 18th at the Cafe Boulevard and was proclaimed by all as a great success. There was an abundance of good spirit present, evidencing itself in neckties of the screaming variety.

During the Christmas holiday, time was found for a theatre party and "The Connecticut Yankee in King Arthur's Court" was studied from the view point of an engineer. The party was so successful that plans are being formulated to get together again before the close of school.

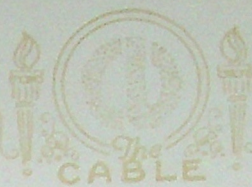
During the year the class has made an enviable record for itself having supported the football and basketball teams, the "Pioneer", and the handball team: the latter team having been organized by members of the class. It is therefore with a feeling of pride and satisfaction that we terminate a year's efforts well spent.

THE HISTORIAN



Electrical Engineering 1931

NINETEEN HUNDRED and TWENTY EIGHT



ELECTRICAL ENGINEERING, 1931

President
KENNETH LOFGREN

Vice-President
WILLIAM DUPONT

Secretary
VICTOR PARODI

Treasurer
JOSEPH PIANE



ANOTHER year fraught with class activities and co-operation with other school activities has passed into the history of E.E., '31.

A year which has brought to it's members a clearer understanding of the traditions of Cooper Union and of the manifold advantages it offers in the way of both scientific and social development.

Just one short year ago this class was an infant member of the Cooper Union family. It required no delving into aged archives or dust-laden minute books to unearth it's history at that time; but E.E., '31 now considers itself an adult member and one can see on all sides evidence of participation of it's members in the various activities of the student body.

Early in the year the class was organized, electing officers, and proceeding to hold meetings in accordance with the constitution adopted last year. CABLE and basketball committees were appointed.

A theatre party and dinner similar to that held last year was enjoyed during the Christmas vacation and plans are under way to hold an outing after the close of school which should climax a year sure to imprint itself on the minds and find a place in the pleasant memories of the members of E.E., '31.

THE HISTORIAN



Chemical Engineering 1931

NINETEEN HUNDRED and TWENTY EIGHT

CHEMICAL ENGINEERING, 1931

President
STEPHEN L. KUNO

Vice-President
SALVADOR E. SEGUI

Secretary and Treasurer
JOSEPH F. TIERNEY



*S*TARTING out in October, 1927, on our second year a few familiar faces were missing; however, the two sections having been joined, these vacancies were more than filled.

The first class meeting was held in November to elect class officers. Messrs. Kuno, Segui, and Tierney were elected to their respective offices. The men first elected became ineligible and as a consequence Tierney was at last elected as joint secretary and treasurer.

After two meetings that would make any of the battles of 1918 look insignificant a constitution was finally drawn up and accepted.

In sports the class was not so active this year, perhaps due to the fact that the course became more difficult. Only one man from the class made the football varsity. A team was entered in the interclass basketball tournament. Though their efforts were of little avail the team was a great improvement over last year's and shows great promise for the coming year.

After a lone peaceful meeting, one was held to decide upon a class affair. When the smoke of battle cleared it was found that a committee had been entailed to find the best show and supper in town. We'll say they did. Through their efforts the class had a wild hilarious time which will not be forgotten for quite a while.

THE HISTORIAN



Architectural Orders

INSTITUTE OF TECHNOLOGY, 1931

President
FRED H. BAHRENBURG

Vice-President
KASKEL KAELEMAN

Secretary
CHARLES J. SCHWEERS

Treasurer
GEORGE E. MISBACH



WELL we did it! "What?" you ask. Why we, the Class of '31, proved our intelligence by passing those extensive tests given to prospective Cooperites in which not only one's ability to compare funny faces is tested but also one's ability to read six dice at once.

Soon after we began to grace the halls of the famous memorial building by our presence we discovered one or two things which had been more or less unexpected. There is no hazing or maltreatment of freshmen. On the other hand there was a wonderful reception, ice cream n'everything, given by the Student Council. This last matter coupled with the teachers interest in the students' progress, evidenced by many returned report books, have had a great effect on the first year men and has gone towards instilling that vital school spirit into them.

The class showed that it had caught on to the Spirit of Cooper quite early by having such talent as harmonists, composers, musicians, and an elocutionist on the program of the Annual Thanksgiving Entertainment.

The Class was also prominently represented in the Math, the Chess and Checker, and the Rifle Clubs, and on the Basketball Team.

This goes to prove that the disease "School Spirit" is contagious and that the Tech Class of '31 has caught it. Nevertheless, we hope that we will never be cured of it.

THE HISTORIAN



Architecture 1931



ARCHITECTURE, 1931

President
H. A. LANGE

Vice-President
A. J. DAVIS

Secretary
WM. F. ADAMS

Treasurer
J. BERTOLAMY

THE HISTORY of the Architectural Class of '31 is not one of wonderful escapades, but quite interesting.

The freshman class has again expanded to over one hundred and sixty members who are anxious to become architects.

Class work was started and immediately class organization was begun. After conflicts, which always attend the beginning of a new class, were overcome, the above-mentioned officers were elected.

We have held meetings quite regularly and various matters were taken care of, such as the support of the CABLE, *Pioneer*, A. O.; in fact all matters pertaining to school activities. The response has been fair and we hope that with the ensuing year we may say we all gave our support to our Alma Mater.

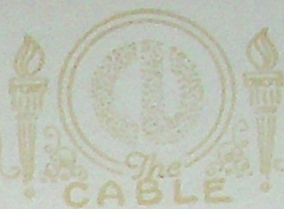
THE HISTORIAN



Autographs

Senior Autographs

NINETEEN HUNDRED and TWENTY EIGHT



CLASSES



1932

NINETEEN HUNDRED and TWENTY EIGHT



General Science 1932



GENERAL SCIENCE, 1932

President

PAUL R. THORNTON

Vice-President

EDWARD L. JOHANSEN

Secretary

ALFRED A. ANASTASIO

Treasurer

JOHN G. KEARNEY

FRESHMAN, you are welcomed to the portals of Cooper Union," were Prof. Bateman's words as he received us less than a year ago. The Prof.'s address was enough to spur the new nucleus to do great things for Cooper Union.

The first thing on the schedule was the election of class officers and the results of deep meditation and deliberation are the introduction to this Frosh history.

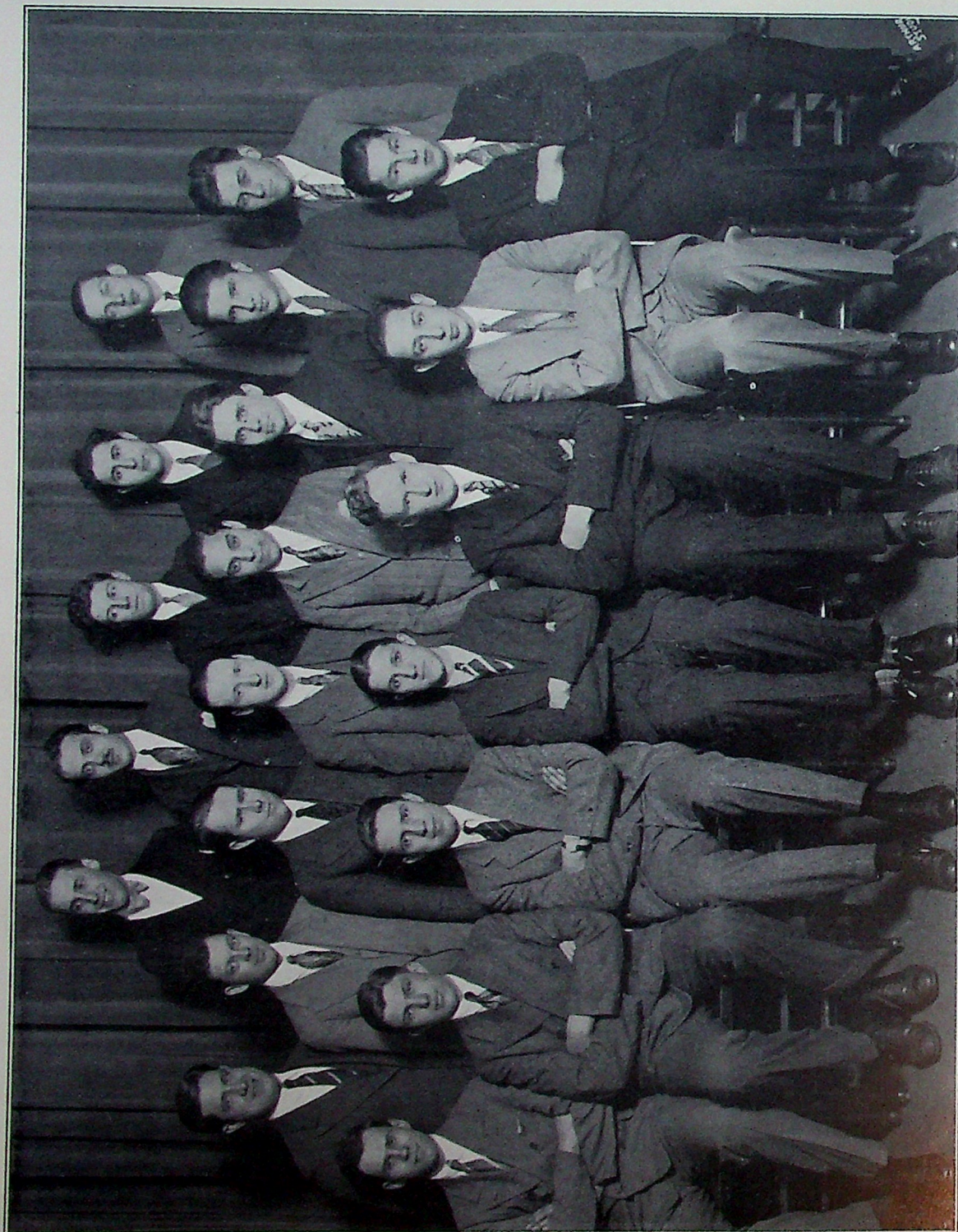
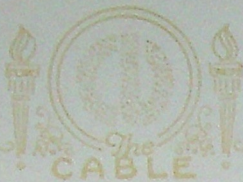
This assembly of executives immediately started work on a program to cover the major activities in College. The class did its utmost to cooperate by subscribing to the CABLE and the *Pioneer* and by taking an active part in the various fields of student recreation.

When candidates for the different sports were called the Class answered enthusiastically. In fact a number of them made varsity teams while others remained on the squad ready to be called. The interclass basketball and handball tournaments were met with equal enthusiasm.

Soon after, the Class started to make ready for exams and in these we strived to uphold the tradition of Cooper Union and the ideals of G. S., '32.

The climax of the year was in the form of a Theatre party and Dinner. In this we were well repaid for our efforts as the party was a "howling" success from start to finish and the last words, "see you next year", still ring in our ears.

THE HISTORIAN



Electrical Engineering 1932

NINETEEN HUNDRED and TWENTY EIGHT



ELECTRICAL ENGINEERING, 1932

President

EDWIN A. KUENZLER

Vice-President

JOHN STARK

Secretary

LAMBERT FREERICKS

Treasurer

LAWRENCE OSWALD



SOME one hundred students, comprising the Electrical Engineering Class of '32 of Cooper Union, are on the way to what they think will be the biggest success ever attained by engineering classes. The members of this class, like those of nearly all of the other classes, hail from all parts of the Metropolitan area including far off Yonkers and Newark as well as Brooklyn and upper New York.

Early in the term the class got together and elected six men, two men from each section, to act as class representatives. The men chosen then set about the difficult task of electing, from among themselves, the class officers. The men listed above were chosen for their respective offices.

Two men from each section were appointed as representatives of the CABLE and the *Pioneer* and have so well performed their tasks as to bring *Pioneer* sales each week close to the one hundred percent mark and CABLE subscriptions tagging behind a close second.

In closing, the men of the class feel that they have done a good years work both scholastically and athletically having actively supported both the basketball and the handball teams.

THE HISTORIAN



CHEMICAL ENGINEERING, 1932

President

THOMAS S. NORMAN

Vice-President

EDWARD P. JAMES

Secretary and Treasurer

JACOB HIRSCH

“HELLO EVERYBODY”. This is Chem. Engineering '32 talking. Now that we know how it feels to be Freshies they come around and ask us to come out of our lethargy and give an account of ourselves.

Well all in all that job is fairly easy for, after all, we haven't done very much in a material sense. A good portion of the term we've spent in getting acquainted with our new surroundings and as a consequence we did not get together at an early enough stage of the game to hold an affair of any sort.

However, as a parting resolution we may add that we expect to do better in the four years to follow and feel that in actively supporting the *Pioneer* and *CABLE* and attending a goodly portion of the years athletic events that we have done our share toward upholding a much heralded school spirit.

THE HISTORIAN

ALLIANCE



CHEMICAL ENGINEERING 1941

President

THOMAS S. NORMAN

Vice-President

HOWARD E. HIGGINS

Secretary and Treasurer

JACOB HIRSCH

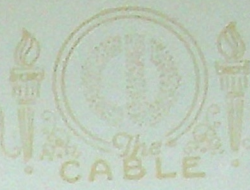
"HELLO EVERYBODY". This is Chris Higgins speaking. I know that we know how it feels to be Freshies that come around here and are out of our library and give an account of ourselves.

Well all in all that job is fairly easy for after all we have been through much in a material sense. A good portion of the year we have been acquainted with our new surroundings and as a consequence we have been together at an early enough stage of the game to hold our own.

However, as a parting resolution we may add that we will be in the four years to follow and feel that in any case we will be and I am and attending a goodly portion of the year and we have done our share toward upholding a much needed and

ATHLETICS





CAPT. FRIEDL

FOOTBALL, 1928

NEAR the end of August when most Cooperites were enjoying the evenings that would be soon taken up by their studies at Cooper, the football candidates were summoned by Manager Brass to get in trim for Cooper's 1927 gridiron season.

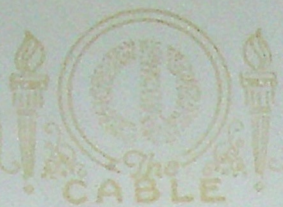
The boys could be seen up at Sheeps Meadow, Central Park, being taught the fundamentals of football by last year's mentor "Jack" Cashman. The first scrimmage of the season was held at Bayonne, N. J. where the team was put through a stiff workout against the Lansings. The showing was commendable considering the fact that the team was made up mostly of new men, many of them playing football for the first time. With the first game approaching rapidly, the practices became more intensive and the team was rounding into shape.

Cooper's gridiron season was opened with Springfield College. The Y. M. C. A. football squad consisting of about sixty players were out to chalk up an impressive victory. During the game Springfield would take a man out when he looked as though he was tiring, and the game ended with the score 63-0, giving the "Y" boys a decisive victory.

Although the number of points tallied against Cooper were large, the game showed that the team was made up of men who would fight for Cooper until the last whistle.

The greatest blow of the game was the injury of Captain George Friedl who received an injury to his knee from which he did not fully recover until long after the grid season was over. The loss of George in the line up was felt throughout the season, also his smile and encouraging words were lacking.

After two weeks, which were spent in intensive training, the team traveled to Farmingdale to engage in a gridiron battle with the New York Aggies who have been the rivals of Cooper for many years. At the outset of the game it seemed evident that Cooper was out to chalk up their first victory of the season. Our line was functioning as a unit, smearing the opposition and open-



Football Team of 1928

NINETEEN HUNDRED and TWENTY EIGHT



ing holes in the line so that the backfield could carry the pigskin down the field. However the Farmers released an aerial attack which baffled our men and the Aggies scored a touchdown before it could be broken up.

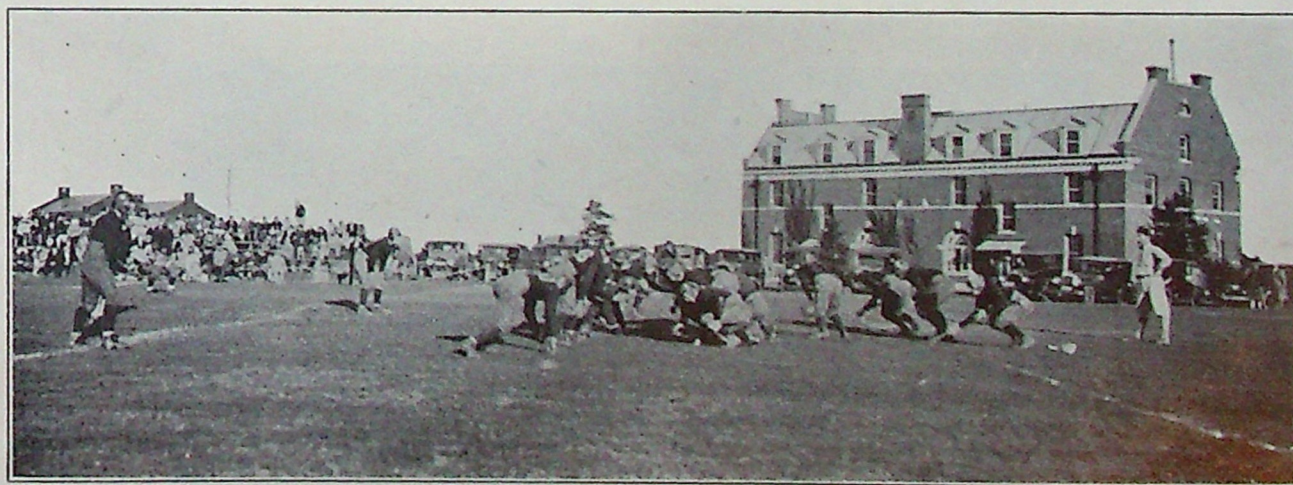
In the second half of the game the playing of the backfield consisting of, Mattson, Mackin, Kuno and Corcoran was smooth and machine like and many plays were run off but to no avail in the scoring column. It seemed as though the Aggies goal line was a jinx, so the Farmers won a hard-fought gridiron contest by a 6-0 score.

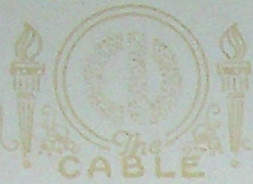
The following week saw the Maroon and Gold meet Wagner College across the bay in Staten Island. This was a big day for Cooper since four touchdowns were made against the Ministers.

During the early part of the first half the Ministers carried the ball down to Coopers eight-yard line on forward passes. At this point the Cooper line held like a stone wall and took possession of the ball on their own eight-yard line. After an exchange of punts, Mackin carried the ball to the one-yard line by two beautiful end runs. Mattson then carried the ball over the goal line for Cooper's first touchdown. The try for the extra point was blocked. During the rest of the period the pigskin was kept in Wagner's territory.

In the second half Cooper received the ball and with a series of off-tackle and end-plays took the ball right down the field. Then "Bill" Roehr, who had been showing great promise as a backfield man carried the ball over for a second touchdown. Kuno failed to kick the extra point. The third touchdown was scored when Cooper obtained possession of the ball on Wagner's 35-yard line due to an intercepted forward pass. Corcoran and Kuno carried the ball down the field, Kuno going over for the touchdown. Then the Wagner team came to life and uncorked an attack which netted them a touchdown. The try for point was made by the aerial route. In the last minutes of play Cooper received the ball and started another march down the field for a touchdown, Mattson carrying the ball over for the last tally. Corcoran failed to convert the extra point by a few inches. The final score was 24-7.

Captain Friedl started the game at tackle but had to leave in the early part of the game due to his injured knee. Mackin and Mattson carried the ball con-





sistently for four-yard gains. "Red" Corcoran told the fellows in the dressing room, that he had played his last game as it was necessary for him to leave town on business and Cooper lost another valuable player as "Red" played a great game at quarterback.

After another lapse of two weeks Cooper traveled to Stroudsburg, Pa., to play the physical culture boys. Cooper went on the gridiron with a team all set to break up forward passes and criss-cross end-runs, the plays that were used so successfully by the Teachers last year. However, the Teachers concentrated their plays on the tackles and ends and combined with their interference of two or three men who would take out any Cooper men that would attempt to tackle the ball carrier.

In the second quarter Cooper brought the ball down to the one-yard line but the punch, necessary to crash over was lacking. However Cooper would not be denied a score and on the very next play Cooper was able to chalk up a safety due to the alertness of the line.

In the second half of the game the physical culture boys began a new attack and helped by the tired condition of the Maroon men, they ran up a large score. The game ending with Cooper at the short end of a 52-2 score.

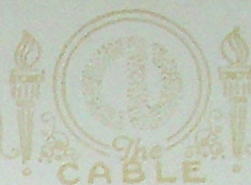
After a weeks rest the Maroon and Gold team met St. Joseph's at Philadelphia, Pa. The "Tommies" were playing their first home game and after their recent victory against St. John's were out to continue their winning streak.

In the latter part of the first half the "Tommies" scored on a forward pass after being held on the fifteen-yard line. This seemed to put pep into the Maroon and Gold team and Cooper received the ball on the kick off and carried the ball down the field, passing one white line after another, only to have Father Time step in, ending the half.

In the second half Cooper started an aerial attack in which Bob Slevin could be seen snaring the pigskin out of the air. However the ball exchanged hands until the "Tommies" broke into the scoring column again by a well completed forward pass. During the remainder of the game the pigskin was in Cooper's territory and the game ended with 12-0 score.

The next game was played on Election Day when the Maroon gridders





encountered the Brooklyn Centre of C. C. N. Y. at Lewisohn Stadium. The wetness of the field, which was a veritable sea of mud made the going unsteady for the players.

In the first half Cooper carried the ball down the field but several penalties imposed on Cooper spoiled our chances of scoring. Then C. C. N. Y. retaliated with an attack that took the pigskin over the Cooper goal line. The try for the extra point was blocked.

In the last half Cooper's team consisted of a bunch of fighting demons who were out to tie the score. By a series of line smashes and beautiful end runs Cooper brought the ball deep into Brooklyn's territory. A forward pass by Mackin to the left end carried the pigskin over the goal line. Cooper failed to convert the extra point so the game ended in a tie 6-6.

The final game of the season was played with the New York Aggies who had chalked up a victory against us earlier in the season.

The Cooper rooters were out in large numbers and expected to see the Maroon and Gold team win a decisive victory over the Farmers.

The game was a well contested one which was won by the Aggies 7-0. The Farmers did not score until the last five minutes of play and this was due to several penalties of large dimensions handed firmly to the Maroon and Gold team.

After the game the team was treated to a hearty meal which has been the custom since Cooper became the rivals of the New York Aggies.

The outlook for the 1928 season looms up to be a very successful one. The squad is not faced with the loss of many regulars and with the addition of new material, Coach Kaino should be able to mould one of the best teams in the history of football in Cooper.

The schedule for the 1928 gridiron season is as follows:

Sept. 29	<i>Rensselaer Polytechnic Institute</i>	at Troy
Oct. 6	<i>C. C. N. Y. Brooklyn Center</i>	at C. C. N. Y.
Oct. 13	<i>Long Island College</i>	at L. I. College
Oct. 20	<i>St. Joseph College</i>	at Philadelphia
Oct. 27	<i>N. Y. Agricultural School</i>	at Farmingdale
Nov. 3	<i>Worcester Polytechnic Institute</i>	at Worcester
Nov. 10	<i>Wagner College</i>	at Staten Island
Nov. 17	<i>St. Thomas College</i>	at Scranton



PIGSKIN PERSONALS

CAPTAIN GEORGE FRIEDL'S encouraging word and smiling countenance was always in evidence on the gridiron. George's heart and soul were in the improvement of football at Cooper, and he gave his all for the Maroon and Gold. Cooper will surely feel his loss for he will graduate this year. The team's best wishes go with him.

Coach Cashman deserves credit and thanks for the interest he showed in coaching the team. We all know he did his best and no matter what there is to be said, we know that if we had carried out his manoeuvres as well as he wanted us to we'd have lost very few games.

"Red" Corcoran who had to leave the squad because of business in the middle of the season, played a great game at quarterback. He was the life of the backfield, and proved this particularly in the Wagner game.

"Bob" Slevin started the season holding down the tackle berth or guard position. However, before the first game was over he was playing end at which position he showed his ability in snaring forwards out of the air. "Bob" is keeping in trim by playing with the basketball team.

McGibney, "Mac" had an appetite that could not be kept in check before or during a gridiron contest. "Mac" has a few things to learn about the pastime but he is a good man to have around, also his lady friend whom he tackles quite often.

"Big Bill" Brass held the guard position down and more than once his big massive hulk could be seen breaking up the opposing teams plays. "Bill" also uses the same tactics when attending the various school dances.

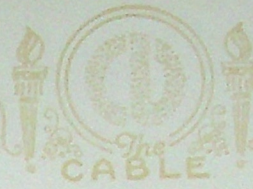
"Bob" Bleicher was the stronghold of our line this year. No matter how erratic the rest of the team was, no matter if the guards gave way, "Bob" always held. Unfortunately his strenuous work proved too much for him and he joined George Friedl in the ranks of the injured. But it would have to be a serious injury to prevent "Bob" from being our Captain next year.

"Fighting" Cramer held down the other guard position and he always was a dangerous man on the defense and offense. "Charlie" was always in there to the last minute fighting for the Maroon and Gold.

Warshak was back at his old position as tackle, and that boy can tackle so that they stay down. This is his last year on the gridiron for Cooper and we will miss him when Cooper takes to the gridiron again.

McLaughlin was holding down his old berth at end. "Jerry" made up for his lack of bulk by the way in which he tackled the receiver of punts. Jerry will not be with us next year, and his fellow gridders wish him luck.

Now we come to the halfbacks; when "Smiling" Mackin hit the line, the opposing forwards were unable to stop him and he would break away for many



a first down. Mack was a good tackler and played the safety position as well as any man could play it. Many a time the good punting of Mackin kept Cooper's goal line out of danger.

"Bill" Roehr's off-tackle slants were always good for a gain. Bill expects to burn up the gridiron this year as he can be seen running the 440 at the gym every Sunday morning.

Mattson's line plunges stood out prominently in Cooper's attack since every time he carried the pigskin Cooper was sure to make a gain. However, we expect that this year will find him the chief battering ram of the Maroon offense.

"Steve" Kuno was our versatile backfield man. He finally was anchored at quarterback, and although his vocal system was somewhat defective, he demonstrated he was a good field general. We may also add that Steve could carry the pigskin for a substantial gain whenever he elected himself to carry the leather.

"Big Boy" Creighton either played one of the wing positions or tackle berths. His track training was a nemesis to punt receivers.

De Tersea, "Red Nose", in every game his nose would receive an added bump from one of the opposing lineman. "Sal" filled in at guard or tackle position.

Else, the boy with the iron hat, we are beginning to believe that he wears his hat to remind him of the many forwards that were thrown at him.

Hanasek played the tackle berth with as much eclat as he covered the guard position. No matter how tough the opposition was his spirit could not be damped.

"Al" Anastasio was one of Cooper's field generals on the gridiron. He is also a major with the co-eds especially when he has the honor of carrying decorations—blue eyes.

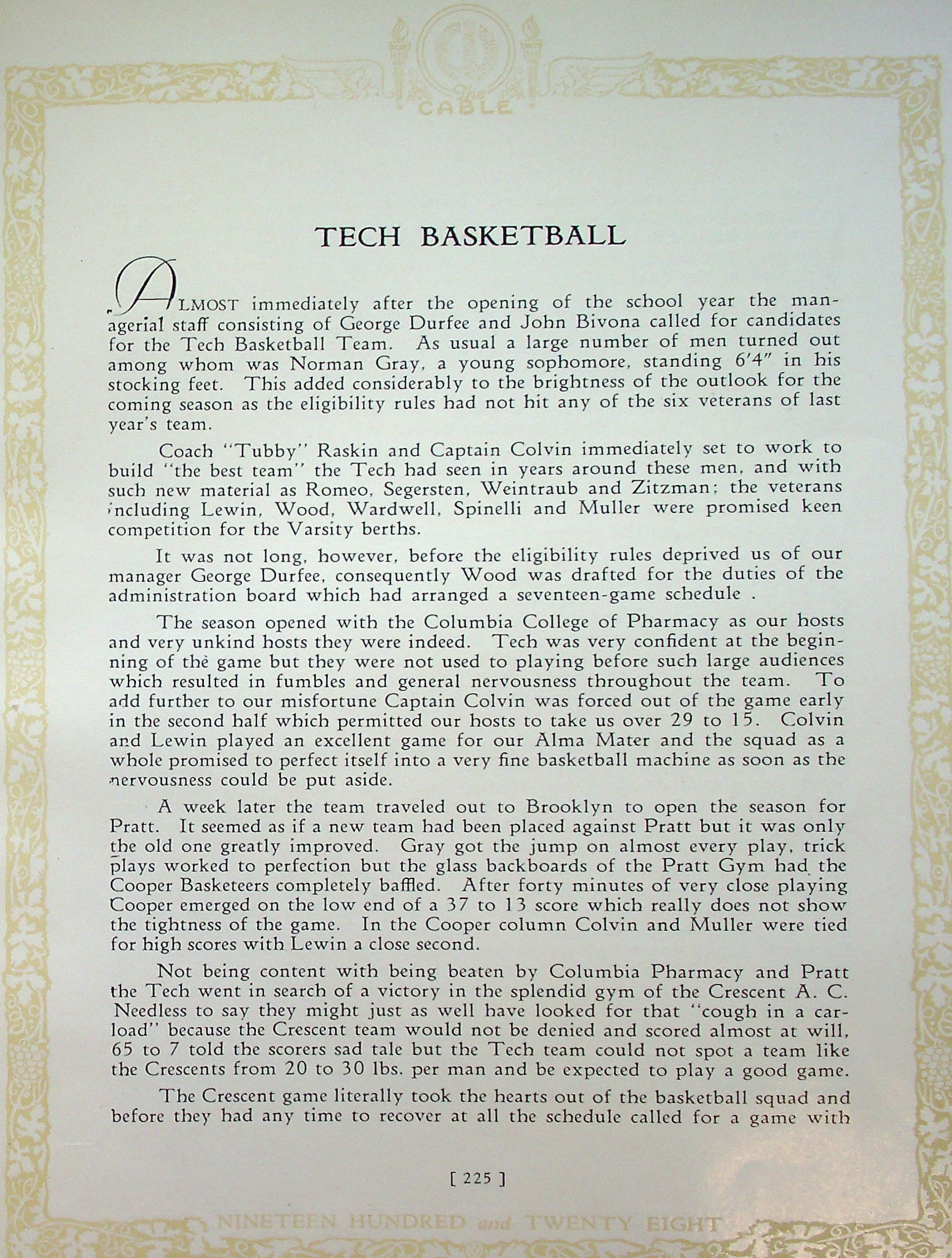
McWood, Kuczma were reserve men whom we shall see back on the gridiron next year.

And finally the team would like to thank "Gene" Brass for the interest that he took in the affairs of the team in spite of the fact that he was not officially connected with it.





Tech Basketball Team 1928



TECH BASKETBALL

ALMOST immediately after the opening of the school year the managerial staff consisting of George Durfee and John Bivona called for candidates for the Tech Basketball Team. As usual a large number of men turned out among whom was Norman Gray, a young sophomore, standing 6'4" in his stocking feet. This added considerably to the brightness of the outlook for the coming season as the eligibility rules had not hit any of the six veterans of last year's team.

Coach "Tubby" Raskin and Captain Colvin immediately set to work to build "the best team" the Tech had seen in years around these men, and with such new material as Romeo, Segersten, Weintraub and Zitzman; the veterans including Lewin, Wood, Wardwell, Spinelli and Muller were promised keen competition for the Varsity berths.

It was not long, however, before the eligibility rules deprived us of our manager George Durfee, consequently Wood was drafted for the duties of the administration board which had arranged a seventeen-game schedule.

The season opened with the Columbia College of Pharmacy as our hosts and very unkind hosts they were indeed. Tech was very confident at the beginning of the game but they were not used to playing before such large audiences which resulted in fumbles and general nervousness throughout the team. To add further to our misfortune Captain Colvin was forced out of the game early in the second half which permitted our hosts to take us over 29 to 15. Colvin and Lewin played an excellent game for our Alma Mater and the squad as a whole promised to perfect itself into a very fine basketball machine as soon as the nervousness could be put aside.

A week later the team traveled out to Brooklyn to open the season for Pratt. It seemed as if a new team had been placed against Pratt but it was only the old one greatly improved. Gray got the jump on almost every play, trick plays worked to perfection but the glass backboards of the Pratt Gym had the Cooper Basketeers completely baffled. After forty minutes of very close playing Cooper emerged on the low end of a 37 to 13 score which really does not show the tightness of the game. In the Cooper column Colvin and Muller were tied for high scores with Lewin a close second.

Not being content with being beaten by Columbia Pharmacy and Pratt the Tech went in search of a victory in the splendid gym of the Crescent A. C. Needless to say they might just as well have looked for that "cough in a car-load" because the Crescent team would not be denied and scored almost at will, 65 to 7 told the scorers sad tale but the Tech team could not spot a team like the Crescents from 20 to 30 lbs. per man and be expected to play a good game.

The Crescent game literally took the hearts out of the basketball squad and before they had any time to recover at all the schedule called for a game with



Upsala on the following Wednesday. Further handicapped by the absence of Lewin and Wood the team not only suffered defeat but injury as well, Gray receiving a bruised bone in his foot and Muller a "Charley-Horse." These misfortunes, however, did not contribute as much to the defeat as did the lack of spirit and at the final whistle Cooper was beaten by a 48 to 19 score.

The following Saturday found the team meeting at Grand Central Station for the purpose of matching its strength against that of the Rensselaer Polytechnic Institute team at Troy. Although Mr. Hope organized and led a large cheering squad whose cheers resounded through the gymnasium, the team could do no better than hold the R. P. I. conthorts at a 62-20 score. Gray who was laid up with his lame foot was greatly missed as over 50% of the R. P. I. score was made by tall men following up long shots.

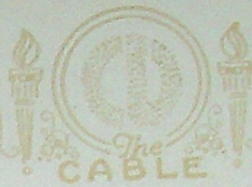
After a three week lay-off due to Christmas Holidays the team again turned its attack to Brooklyn expecting to beat the St. Francis five as it had done in the last encounter. St. Francis, however, was out to avenge that defeat and did it very neatly with a 42 to 15 score. Although we're not superstitious we think that Friday the 13th had something to do with it.

Our next game took place the day after the Junior Prom which accounts for the sleepy looking squad that traveled out to the wilds of Jersey looking for New Jersey College of Pharmacy Court. In arriving there we found a court only half as long as its name and not nearly as wide. However, the game looked like a cinch, the Tech taking a large lead early in the game which was gradually cut down to 19-16 at the end of the first half. The team held its lead for a good part of the second half but after a strenuous session of sowing wild oats the night before the Tech's strength finally gave out and our opponents set us 39 to 25.

Wagner was next on the schedule. After being wished a "Bum Voyage" the squad set sail from South Ferry for the Sunny Shores of Staten Island where we played on the Curtis High School Court. The game waged fast and furiously but the low ceiling seriously hampered the Tech's long shots so the team lost again 32-19. Spinelli was the outstanding star of this game scoring over half of Cooper's points.

The following week found us exceptionally busy with two games, final exams and the jinx still with us. On Wednesday half the team traveled to Brooklyn to play Brooklyn College of Pharmacy while the other half studied for the exams. After holding the Druggists to 17-16 in the first half the Druggists finally penetrated the darkness of the court and won 37-32. The game, however, brought forth a new star in the person of "Swab" Weintraub. The youngster scored ten of our points and will be worth watching in his subsequent years.

After the commendable showing against Brooklyn Pharmacy the team took on Webb for our first home game expecting great things, but expecting was as far as they got. Although Webb was only two points ahead in the first half they pulled ahead to win by 38 to 31 in spite of the excellent work of Wein-



traub and Wood. After losing to our old rival in this manner the Tech got together and resolved not to lose any more games.

The resolution must have reached the ears of the Newark College of Engineering for they cancelled our game with them which was next on the schedule.

The Alumni were next on the program. All the old stars were out with that do or die spirit which comes to them but once a year. Although the Varsity team played very hard it seemed as if the Alumni would "do" as they were leading at the end of the first half by 15 to 12. The Varsity, however, remembering their resolution, came back in the second half fighting tooth and nail. With but two minutes to play, the score stood 30-30 with the Varsity leading the attack. During those two minutes the Varsity had several chances to score from the 15-ft. line but the tenseness of the situation threw the men "off" on their shooting. Finally with 15 seconds to play Weintraub who had previously missed two free throws sank one, the whistle blowing as the ball hit the floor. Thus did the Tech chalk up its first victory 31-30.

The team played to perfection but the outstanding work of Lewin, Weintraub and Spinelli deserved special merit.

The following week the Tech team pulled another fast one by defeating Wagner and thus avenging our defeat earlier in the season. After allowing the Staten Islanders to tie us at 16-16 at the end of the first half Cooper stepped out and handed them a neat trouncing 34 to 25, Gray and Weintraub starring for the home team.

This paved the way for the last and most important victory of the Day School for on March 10th, we traveled to the Night School's home court and proceeded to give them a drubbing. After some hard and furious playing the Tech closed the half by handing the Night School the low end of a 15-9 score. This looked bad for the Night five and the Tech was very jubilant. With but two minutes to play and the score at 25 to 18 the Day school held back to freeze the ball. It seemed as tho' the Night five immediately woke up, literally fished the ball out of the air and scored three baskets but they didn't wake up soon enough and the game ended 25-24. For Wood and Captain Colvin it was their last game in Cooper uniforms and they certainly upheld their Alma Mater in a noble fashion. Colvin and Lewin starred making eight points a piece, the rest of the team furnishing excellent support.

And now as the CABLE goes to press the Tech Basketball Team lays back on its new found laurels, forgets its defeats and considers it a successful season.

SIDE SHOTS

Captain George Colvin, our good looking forward, has some basketball eye. Half the court means nothing to George when he is in the mood, and what a mood he was in for the Night School game.



Wood is the boy who has all the snappy ideas, one of which resulted in a lump on Weintraub's knee when he organized a bed-dumping squad at New London.

"Sheik" Lewin usually has more success caging women after a game than he has caging baskets. How do you do it Harold?

George Wardwell, the South Norwalkian, was a great help to the team until he broke his leg. He is best remembered by the spread his Mother set before us on our way to New London.

"Oke" Muller has the greatest missing habit you ever saw during a game but he never misses a dance afterward.

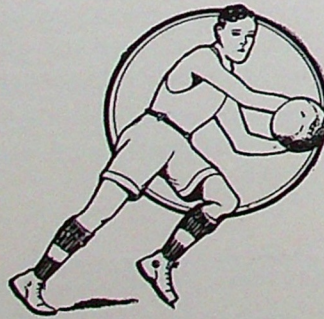
Norman Gray may seem quiet and unassuming but when he feels like moving "Watch Out Ye Basketeers and Women".

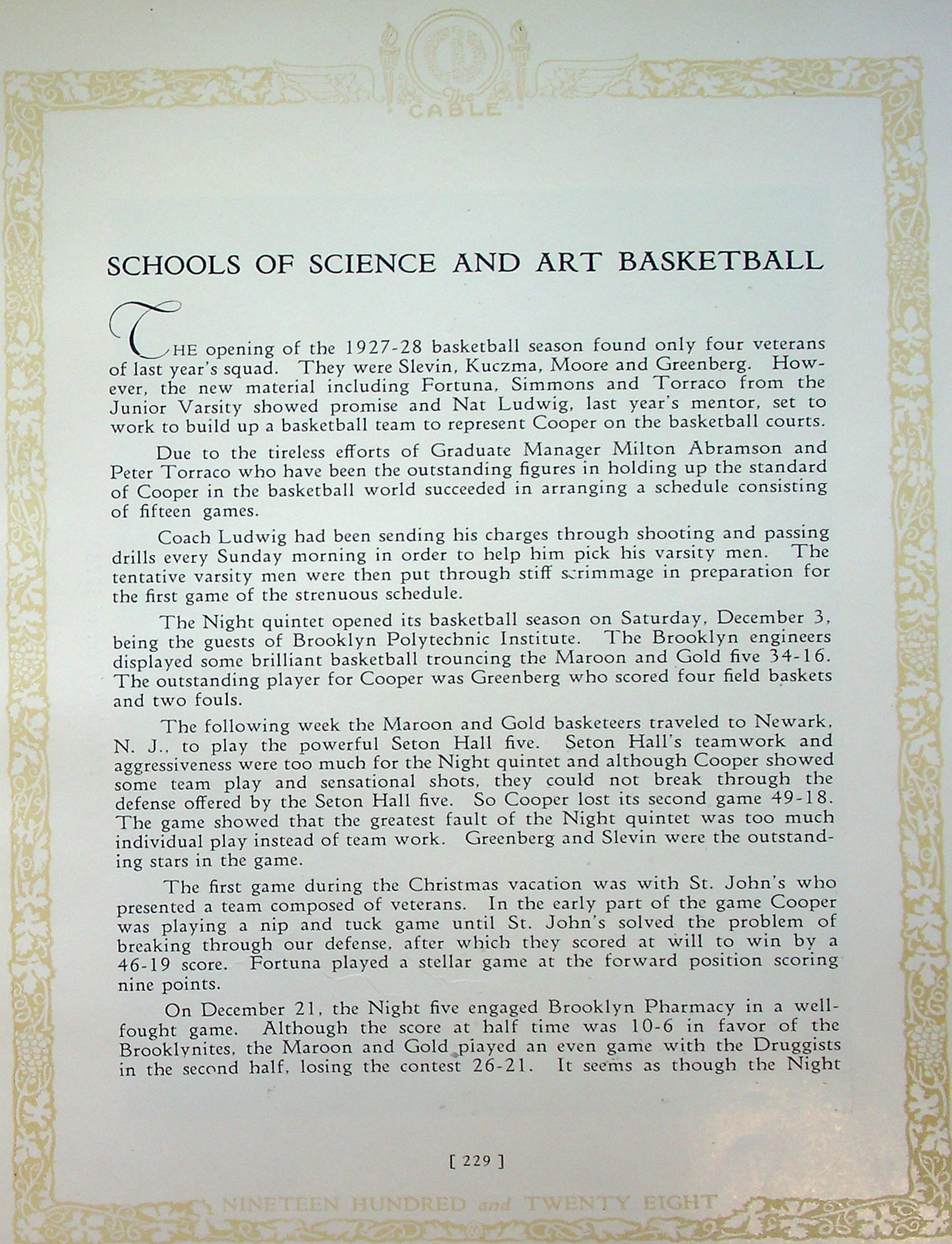
Frank Spinelli and "Weasel" Romeo are the pass it Twins. It's just pass, pass, pass until they get their goal. We'll bet they treat the girls the same way till they get a good one.

"Swab" Weintraub may be only a Freshman but when he scores baskets he does so like a Senior. Keep it up "Swab."

"Red" Segersten and his pal Zittsman didn't play much but when they did they usually left a trail of cracked skulls and broken bones in their wake. They're cruel men.

Last but not least we can't forget "Doc" Post whose ever-ready First Aid Kit was greatly appreciated by the Team also our time and scorekeeper, A. J. Rudgers, whose amateur juggling acts laid up our favorite time piece more than once.





SCHOOLS OF SCIENCE AND ART BASKETBALL

THE opening of the 1927-28 basketball season found only four veterans of last year's squad. They were Slevin, Kuczma, Moore and Greenberg. However, the new material including Fortuna, Simmons and Torraco from the Junior Varsity showed promise and Nat Ludwig, last year's mentor, set to work to build up a basketball team to represent Cooper on the basketball courts.

Due to the tireless efforts of Graduate Manager Milton Abramson and Peter Torraco who have been the outstanding figures in holding up the standard of Cooper in the basketball world succeeded in arranging a schedule consisting of fifteen games.

Coach Ludwig had been sending his charges through shooting and passing drills every Sunday morning in order to help him pick his varsity men. The tentative varsity men were then put through stiff scrimmage in preparation for the first game of the strenuous schedule.

The Night quintet opened its basketball season on Saturday, December 3, being the guests of Brooklyn Polytechnic Institute. The Brooklyn engineers displayed some brilliant basketball trouncing the Maroon and Gold five 34-16. The outstanding player for Cooper was Greenberg who scored four field baskets and two fouls.

The following week the Maroon and Gold basketeters traveled to Newark, N. J., to play the powerful Seton Hall five. Seton Hall's teamwork and aggressiveness were too much for the Night quintet and although Cooper showed some team play and sensational shots, they could not break through the defense offered by the Seton Hall five. So Cooper lost its second game 49-18. The game showed that the greatest fault of the Night quintet was too much individual play instead of team work. Greenberg and Slevin were the outstanding stars in the game.

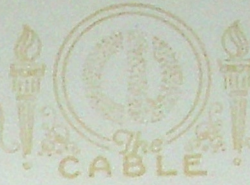
The first game during the Christmas vacation was with St. John's who presented a team composed of veterans. In the early part of the game Cooper was playing a nip and tuck game until St. John's solved the problem of breaking through our defense, after which they scored at will to win by a 46-19 score. Fortuna played a stellar game at the forward position scoring nine points.

On December 21, the Night five engaged Brooklyn Pharmacy in a well-fought game. Although the score at half time was 10-6 in favor of the Brooklynites, the Maroon and Gold played an even game with the Druggists in the second half, losing the contest 26-21. It seems as though the Night



Basketball Team of 1928

NINETEEN HUNDRED and TWENTY EIGHT



five plays in spurts especially when they are behind and it is expected that Coach Ludwig will find a remedy. Fortuna was high scorer for Cooper.

The next game was played with Maxwell Training. This game proved interesting from the standpoint of foul calling and roughness of play. Cooper scored only ten of the twenty-one fouls called in their favor and added to the three field baskets brought the score up to 16 as compared to the 35 points scored by the Maxwell five. The Junior Varsity turned in a better game than the Varsity losing by a 15-11 score.

The first game of 1928 was contested at Farmingdale, L. I., where the New York Aggies extended their usual hospitality to Cooper teams. Perhaps it was the New Year resolutions by the team that brought home the bacon from the wilds of Long Island since the Aggies were on the losers end of a 26-23 score. Kuczma's timely pass work coupled with the scoring of Fortuna and Greenberg chalked up the first victory for the Maroon and Gold five. However, the outstanding feature of the game was the fast pass work of the Cooper five.

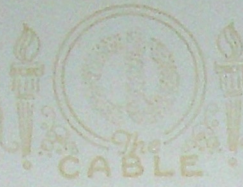
The first home game of the season found the Maroon and Gold five entertaining the East Stroudsburg Teachers' Training College. The Teachers proved that they earned the right to be called the Champions of Pennsylvania by the manner in which they trounced our team 66-23. The speed and team work of the Teachers coupled with their accurate shooting caused the downfall of the Night quintet. Fortuna played his usual steady game scoring eleven points.

On the following Saturday the Maroon and Gold five traveled into the wilds of upper New York State to be vanquished by the St. Stephen's five 44-24. Cooper played a hard game with Greenberg and Fortuna doing most of the scoring. However, the poor defensive work of the Maroon and Gold permitted the "Saints" to score at will, most of their points being made from under the basket.

Over the weekend made available by Lincoln's Birthday the Night Basketeers traveled to Albany to be the guests of the State Teachers' College and the Albany Pharmacy. On Saturday evening, the Cooper quintet was outclassed by the fast Teachers five by a 33-16 score. On Monday the boys lost a well-fought game to the Druggists by a 28-20 score. Cooper was forced to play with four men in the last five minutes of play due to the personal fouls chalked up against them.

The second home game was played with the C. C. N. Y. Commerce team as our guests who accepted our hospitality by turning in a 41-16 score. The teamwork and defense of the Commerce five was too much for the Maroon and Gold five who had to be contented with long shots at the basket. The points scored by the Night five were divided evenly among the players.

On the same evening the Junior Varsity brought home the bacon by winning a well-contested game with the Around About team by the score of 35-32. Toracco, Kienast and Macri played well for the Juniors.



The next game was at Scranton, Penn., where the Night five engaged in a tussle with the undefeated St. Thomas five. The coal miners hung up an impressive victory by a 65-28 score.

The following week-end found the Maroon and Gold invading the New England States. However, they were not conquerors as they were trimmed on successive nights by Rhode Island State and Worcester Polytechnic Institute.

The Rhode Island State team showed remarkable shooting ability by running up a 51-27 score. Some credit should be given to the Maroon and Gold five as most of the State's points were scored in the last ten minutes of play.

The Worcester five was well drilled and presented an impregnable defense causing the Cooper five to fall by the wayside by the score of 36-13.

The final game of the season was played with the Institute of Technology. The game proved to be a real humdinger and the boys both battling for the same Alma Mater, put up a battle which remained anybody's game until the end. The Techers emerged the victors by a close score of 25-24.

In the first half, the game was fast and full of excitement since the lead was see-sawing back and forth until the long shots of Colvin and Weintraub put the Tech five ahead 15-9 at half time. The Night five could not break through the defense of the Tech five and had to be contented with long tries at the basket.

Although the Night five outplayed the Day five in the second half the Techers never relinquished their lead, which was threatened many times by the fast playing of the Night five. In the last few minutes of play the spectators were on edge as it seemed as if the score would be tied by a sudden spurt of Fortuna who scored three field baskets in succession bringing the score up to 25-24. However, the Techers got the ball and played a safe game until the final whistle blew bringing to a close the annual battle between the Night and Day fives.





TRACK TEAM

THE Track Team was conceived in the year of 1923. During that year they engaged in two meets—winning one and losing the other. There was no team during the season of 1924-25 due to lack of material.

In the fall of 1925 the "Golden Era" of this sport—in Cooper—began. The team engaged successfully in the numerous indoor meets during the winter months and when the first signs of Spring evinced themselves the squad was to be seen three times a week practicing at McComb's Dam Park. As a result of the intensity of the practice and the thoroughness of the Coach, Jack Kelly, the team took to the track for the season's dual meets in top-notch form. The reward of their foregoing months of training was more than evident at the close of the 1925-26 Season—the returns showing the team to have lost but one meet—that to St. John's College—by a score of 42 to 36, an extremely close tally for a track contest. So much for the 1925-26 Season.

The career of the team reached its apex though, this last season that of 1926-27, the team engaging in and winning five dual meets beside the numerous indoor meets during the winter months. This marks the first undefeated team of any kind in Cooper in a good many years. The scores for the dual meets were as follows:

Seton Hall 37	Cooper 40
Savage 38	Cooper 48
N. Y. Stock Exchange 34	Cooper 43
Brooklyn C. C. N. Y. 0	Cooper 43
Newark Tech. College 26	Cooper 51

The team loses only two men by graduation. Their loss will be felt keenly. They are Art. Cornish, the mountainous shot-putter and Ed. H. Healey, one of the first string milers.

Our prospects this year are more luminous than ever—most of the old men back and plenty of new ones.

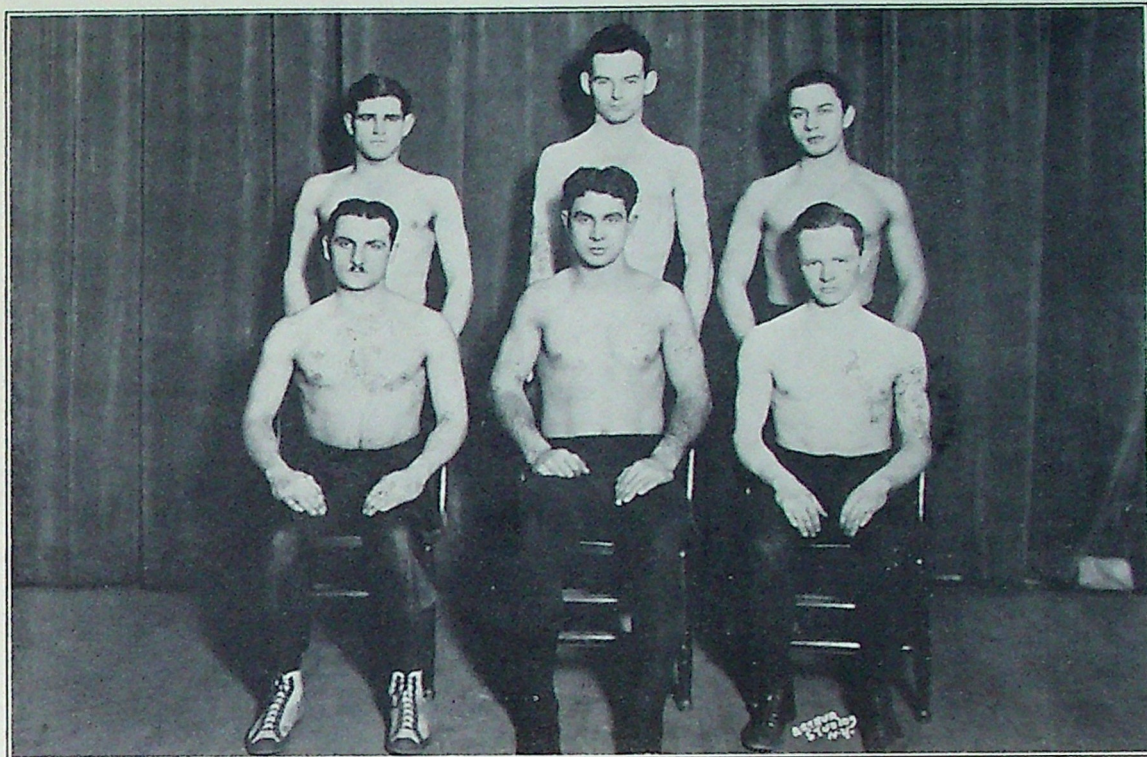
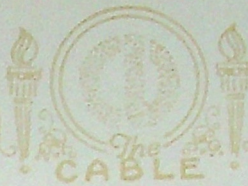
Among the sprinters are Julius Tauss and Walter Silvers—also Harry Tempkins, Al Milford and Hal Johnson. Tauss holds the 100 yard County Championship—one "nick in the gun" for Cooper.

In the serried ranks of the quartermilers we have Paul Dwyer, Jim Carroll, Jim Quinn, John Golden, Cal McPherson, Bill McKay, Joe Schwenk and Harry Malmquist.

Does the Student Body realize what a really fine track team it has as its representative at all of the local and nearby meets? If it does the team will receive more support in future years than it has in the past. Dig right in, you future track men, and hold aloft the supremacy of Cooper in track athletics. Now "old" or rather "past" track men keep fresh in your minds the glory—not "that was Rome's" but *ours*.



Track Team of 1928



WRESTLING TEAM OF 1928

WRESTLING at Cooper Union is still in the embryonic stage even though we made our debut on the "mat" last year. However, the meets that we had last year excited the interest of a number of men and the opening of the 1928 season saw a large squad of recruits to be initiated in the intricacies of the sport. Coach Carter Harrison who was in charge of the squad last year was on hand to help the boys get their first "hold" on the mysterious entwining of arms and legs.

In the first meet we encountered the Madison Avenue Presbyterian Church. "Red" Robinson was the first man on the mat for Cooper Union and was matched against a worthy adversary in the person of the Metropolitan Amateur Champion of the 125-lb. class. With only thirty seconds to go "Red" seemed to become imbued with generosity and handed the match to his opponent. On the whole the results of this meet were very encouraging and prophesied a successful season for the Maroon and Gold.

At the time of this writing we still have the heavy end of our schedule facing us so we are unable to render an account but we promise that the matmen will handle themselves in a fashion that will be an encouraging prelude to the season of 1929.

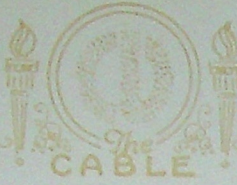


HANDBALL TEAM OF 1928

THE early part of last spring, a letter from The College of the City of New York was posted on the Bulletin board addressed to the manager of the Handball Team of Cooper Union. The organizers of the present Night School Handball Team, seeing this, took the liberty of opening the letter and found that it was a challenge to a match between the two institutions. So at the very first meeting of the A. O., the sanction of the A. O. was obtained to organize a team to be known as the Handball Team of the Cooper Union Night School.

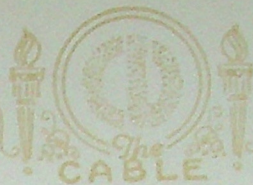
While the primary reason for organizing the team was to engage in interschool competition, now that we are organized we want every one to enjoy the benefits of the game which is a clean manly sport. Like most athletic sports it develops one's character as well as one's body and most important it serves to break up the monotony of the daily grind.

In order to stimulate the interests of the men who attend our Sunday practices, a tournament is held weekly and records of the games played are kept. Gold, silver and bronze medals are given to the three men who win the greatest number of games in these tournaments.



Tech Rifle Team of 1928

NINETEEN HUNDRED and TWENTY EIGHT



TECH RIFLE TEAM

PERHAPS you remember the CABLE of last year, with the picture of the newly formed Rifle Club. Well, here it is, ranking in popularity as high as any other sport in Cooper, and with plenty of raw material. It is rather hard to pick a team of about ten men, with candidates numbering well nigh fifty.

With only two months practice, one night a week, the team took on the strong Spring Valley outfit, and lost by the close score of 649 to 710. Travelling up into the frozen north of New York State for this match, the team was, on their arrival, hustled off to Quen Peters house, where his Mother gave the team one of the finest meals they had ever eaten. In this match, Reynolds was high man, with Alger high prone man for the Tech. No one will forget the trip home at 2:00 A. M. with both cars needing water, and the team needing some sleep. The team expects to win the return match with Spring Valley, but no data on this match can be given, as the CABLE will go to print before it comes about.

Early in the year, Cooper entered six men in the U. S. National Individual Intercollegiate Matches, with the result that Reynolds obtained 30th place and Weiss 34th. Williams, Salma, Fruhner, and Groves coming in from 36th to 40th.

Just as this is going to print, the Club is holding a series of Interclass Matches. The standing at the end of the first half of the matches was, Juniors, 654; Freshman, 646; Seniors, 633; Sophomores, 586. To date, Weiss is high man, with Reynolds, Rabinovitch, Cohen, Alger, and Gill following. Rabinovich is the man who was loaned to the Spring Valley team, and then turned in a high score prone. Needless to say, Rabinovitch was not loaned out after this.

The Club is not content with indoor firing, so at present, is negotiating with the Government to obtain the use of the Army range at Peekskill, for the purpose of firing the Army qualification courses with the "Springfield" for Marksman, Sharpshooter, and Expert Rifleman medals. These courses will be fired at 200 yards in four positions, standing, sitting, kneeling and prone, together with rapid fire in the sitting and prone positions. Those who qualify will be awarded the appropriate Army medals.

This year, the Rifle Team was scheduled to enter the National Intercollegiate Team Championship matched for the U. S. Championship, but due to getting their entrance fee in too late, were unable to enter. However, next year the team will be on deck early, and hopes to make a creditable showing.

Inasmuch as the team has been unable to secure a coach, the members feel that they have done remarkably well in the short time that the Rifle Club has been organized. Watch our smoke next year.

TECH BASEBALL TEAM OF 1928

THE baseball season for 1928 is here! Early in March the first indoor practices were held in the Church of All Nations gym on Second Ave. at which a squad of ten battery men reported. This year the material looks exceedingly promising including a large number of Freshmen.

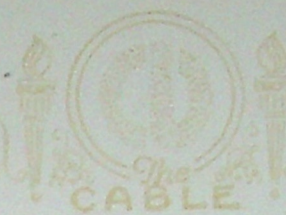
As the new board of management, consisting of Loren DeLanty and his assistant George Wardwell, took over their duties they were confronted with the age old problem of no practice field. Together with Captain Joe Norris they took this matter up with the Commissioner of Parks and after a great deal of persuasion succeeded in obtaining a splendid field in Central Park. The field is ideally located being accessible to all the students which probably accounts for the large turnout for the first practice. Practices were held Wednesdays, Thursdays and Fridays due to the heavy schedule planned for the season. The schedule takes the team to three different states where, among others, five major colleges will be played. The opening game on April 7 is with Stevens Tech and like the majority of the games will be played away from home. The following Saturday the Tech for the first time will meet Seton Hall. On April 21, Yale will be our hosts and as Yale usually puts out a good team the game should prove very interesting. Plans are already underway to organize a bus ride so that the Cooper rooters will not miss this important game.

On the closing of the school year the annual game with Pratt takes place. In past years Pratt has outclassed our players but with the material on hand little doubt is expressed as to the outcome of this year's game.

The final and most important game as usual is with Upsala and will take place about a week after the exams and should find the team in the peak of its form. In previous games Cooper has usually held the lead but last year was an exception. The team has already promised to avenge the defeat this year and we think we'll do it.

With this outlook in view the managerial staff further succeeded in obtaining all new equipment for the team which should help the morale to a large extent. And with the defeats of past years forgotten the team looks forward only to victories and its accompanying glory.





WEARERS OF THE "C"

Schools of Science and Art

FOOTBALL

Major "C"

Alfred Anastasio
Otto Bleicher
William Brass
Arthur Creighton
Charles Cramer
Salvatore De Teresa

John Else
George Friedl
Frank Hanasek
Andrew Kuczma
Stephen Kuno
Paul Mackin
Clarence Mattson

George McGibney
Gerald McLaughlin
Thorne McWood
William Roehr
Robert Slevin
Frank Warshak

BASKETBALL

Major "C"

Milton Abramson
Lewis Fortuna
Joseph Greenberg

John Kienast
Andrew Kuczma
James Macri
Peter Torracco

John Moore
Robert Slevin
Fred Steir

Minor "C"

Alfred Anastasio

William Haas
Arthur Miller

Alvin Simmons

TRACK

Major "C"

James Carroll
Arthur Cornish
Arthur Creighton

Joseph Di Maria
Richard Ench
Edward Healey
Julius Tauss

Gerald McLaughlin
Calvin McPherson
James Quinn

WRESTLING TEAM

Minor "C"

Joseph Di Maria
Isaac Grossman

Louis Halpern
James O'Reilly
A. Rosenberg

Howard Robertson
Franklin Robinson



WEARERS OF THE "C"

Institute of Technology

BASKETBALL

Major "C"

George Colvin
Norman Gray
Harold Lewin

Oke Muller
Felice Romeo

Frank Spinelli
George Wardwell
Harvey Wood

Minor "C"

John Bivona

David Levine
Kenneth Zittsman

Charles Segersten

BASEBALL

Minor "C"

Loren DeLanty
L. Hammond
C. Miller

Victor Novarino
Robert Schempf

Frank Spinelli
Alex Weiss
Alfred Wichtman

RIFLE TEAM

Minor "C"

Ernest Fruhner
Maurice Grover

Edgar T. Reynolds
Emanuel Salina

Alex Weiss
Paul Williams

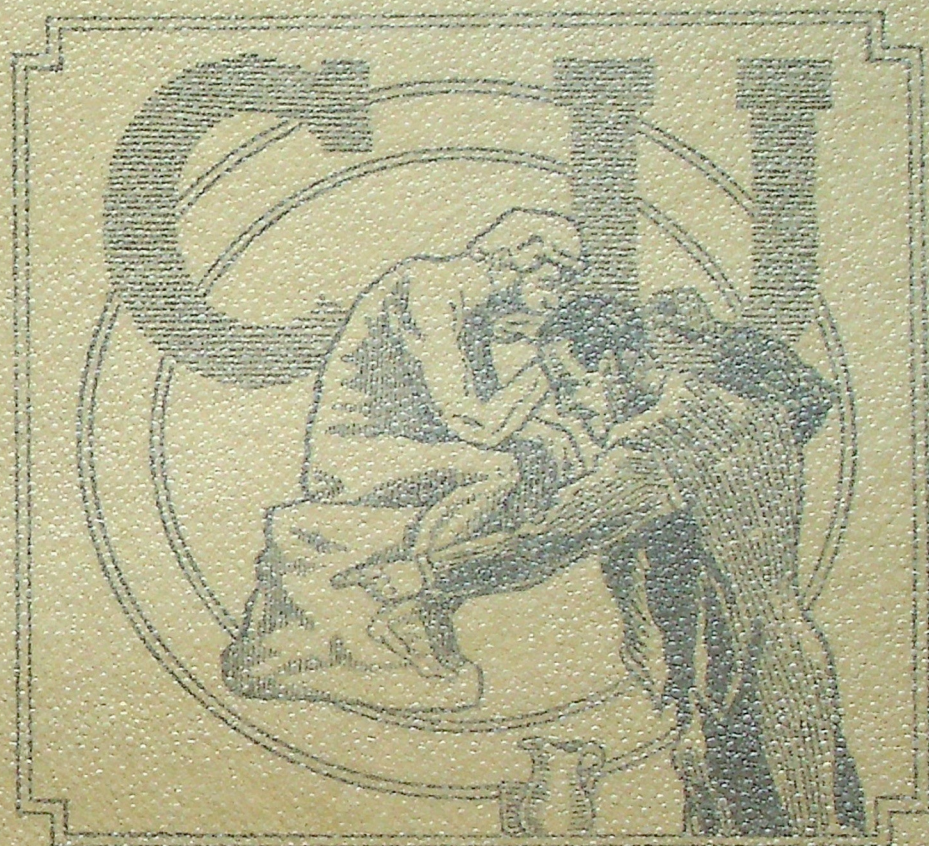
HANDBALL

Minor "C"

A. Altman

A. Kargman
J. Loewenthal

R. Leary



ORGANIZATIONS

WEARERS OF THE 'X'

Institute of Technology

BASKETBALL

Major 'C'

Edward McGarry
Robert Hunt
Donald Smith

Oke Muller
Felice Romeo

Frank Spence
Charles F. Schmitt
William Wilson

Minor 'C'

John Dwyer

David Levine
Kenneth Zittman

Charles Dwyer

BASEBALL

Major 'C'

Leah O'Leary
Richard
Miller

Victor Novario
Robert Schmitt

Frank Spence
Charles F. Schmitt
William Wilson

RIFLE TEAM

Minor 'C'

James Fisher
Charles G. G. G.

Eagar T. Reynolds
Emanuel Saline

Frank Spence
Charles F. Schmitt
William Wilson

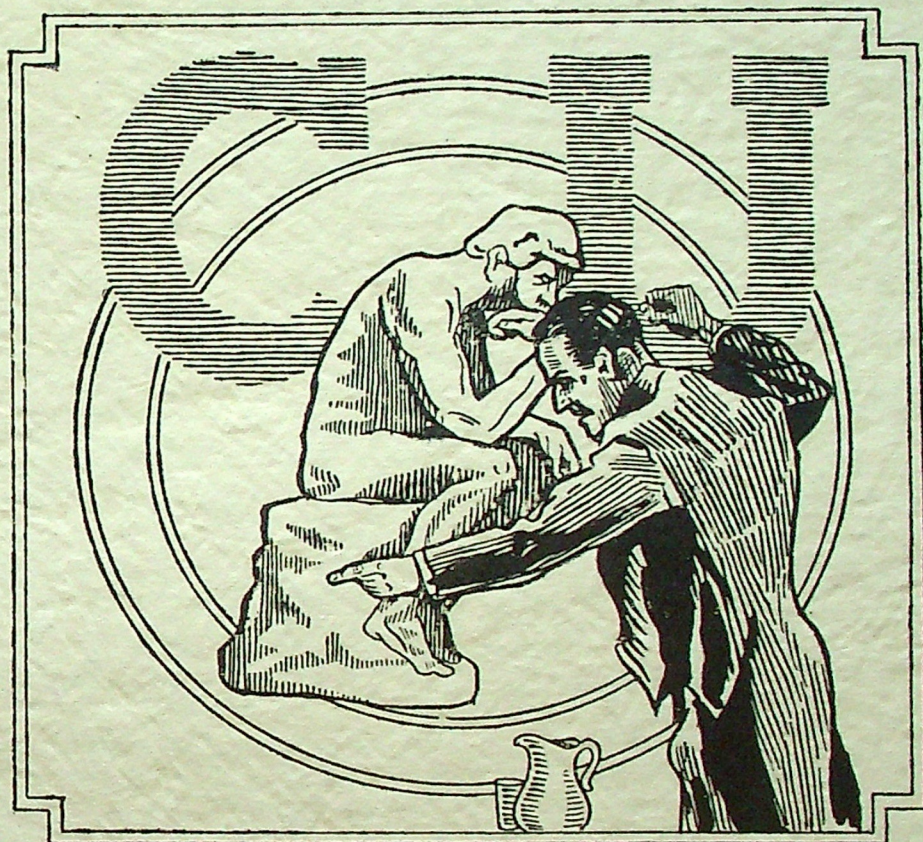
HANDBALL

Minor 'C'

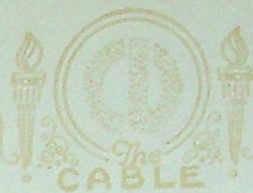
A. G. G.

A. Kargman
J. Loewenthal

Frank Spence
Charles F. Schmitt
William Wilson



ORGANIZATIONS



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WALTER KALIN

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CALEB T. WESTERGARD
STANLEY C. LUM
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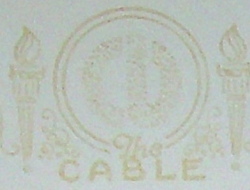
1927

FRANK G. COSMEN
Chairman

JOHN J. GEMMELLI

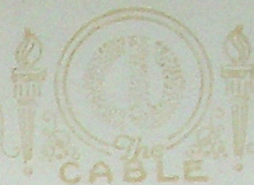
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NINETEEN HUNDRED and TWENTY EIGHT



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NINETEEN HUNDRED and TWENTY EIGHT



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Paul R. Thornton

Peter Torracco

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Tech Students Council



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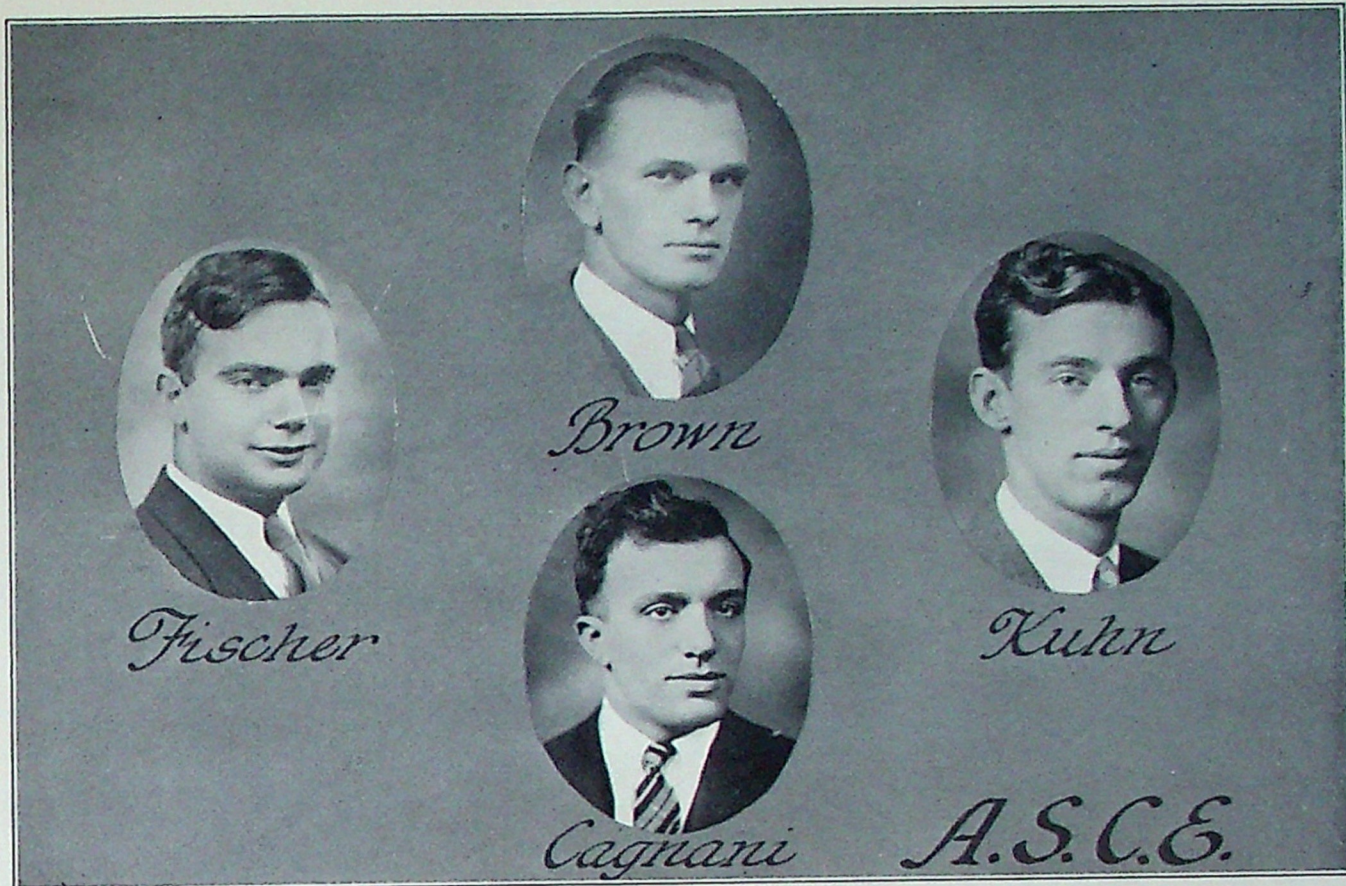
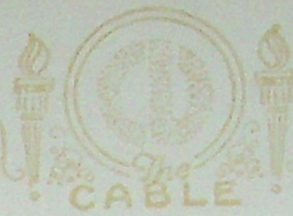
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Secretary
HAROLD FISCHER

IN THE four years of its existence, the Cooper Union Branch of the American Society of Civil Engineers has had some prominent engineers present topics of both value and interest to the members.

The first speaker this year was Mr. Allen Hazen noted for his research work in hydraulics and water work. Mr. Hazen presented a topic of interest, namely: "Flood Control". This was very interesting because the speaker through his wide experience was able to explain various flood conditions, their causes, and histories.

The next speaker was Mr. Rosengarten, traffic manager of the Asphalt Association who spoke on "The Use of Asphalt for Highways". This was an illustrated lecture and was very instructive.

During January the annual A. S. C. E. convention was held, at which time many of the members had the opportunity of hearing engineering talks on various subjects.



STUDENT BRANCH

American Institute of Electrical Engineers

Chairman

EDGAR T. REYNOLDS

Secretary

WILFRED HENSCHEL

Vice-Chairman and Treasurer

FRANK CONGILOSE

Counselor

PROF. NORMAN L. TOWLE

*U*NDER the guidance of Prof. Towle, this Branch has enjoyed great popularity with the student body throughout the several years of its existence.

During the past few years, it has materially aided Cooper in establishing a reputation with the other colleges of the City through the active part taken by its delegates to the Metropolitan Student Branch Committee of the A. I. E. E.

The annual Student Convention was held this year on April 19th, the third and fourth year Day men, and fourth and fifth year Night men being given a holiday so they might enjoy the benefits of the Convention. During the morning session the students visited such plants as that at Hell Gate, the Navy Yard, and the Holland Tunnel. Throughout the afternoon each College was represented by having one of its students present a paper on some engineering subject, the Convention ending with a splendid dinner served at the Fraternity Club.



STUDENT BRANCH

American Society of Mechanical Engineers

Chairman

GEORGE W. MORGENROTH

Secretary

EDWARD TRAPANI

Vice-Chairman

PETER DOUGLAS

Treasurer

VALENTINE MCCABE

Honorary Chairman

PROF. GEORGE F. BATEMAN

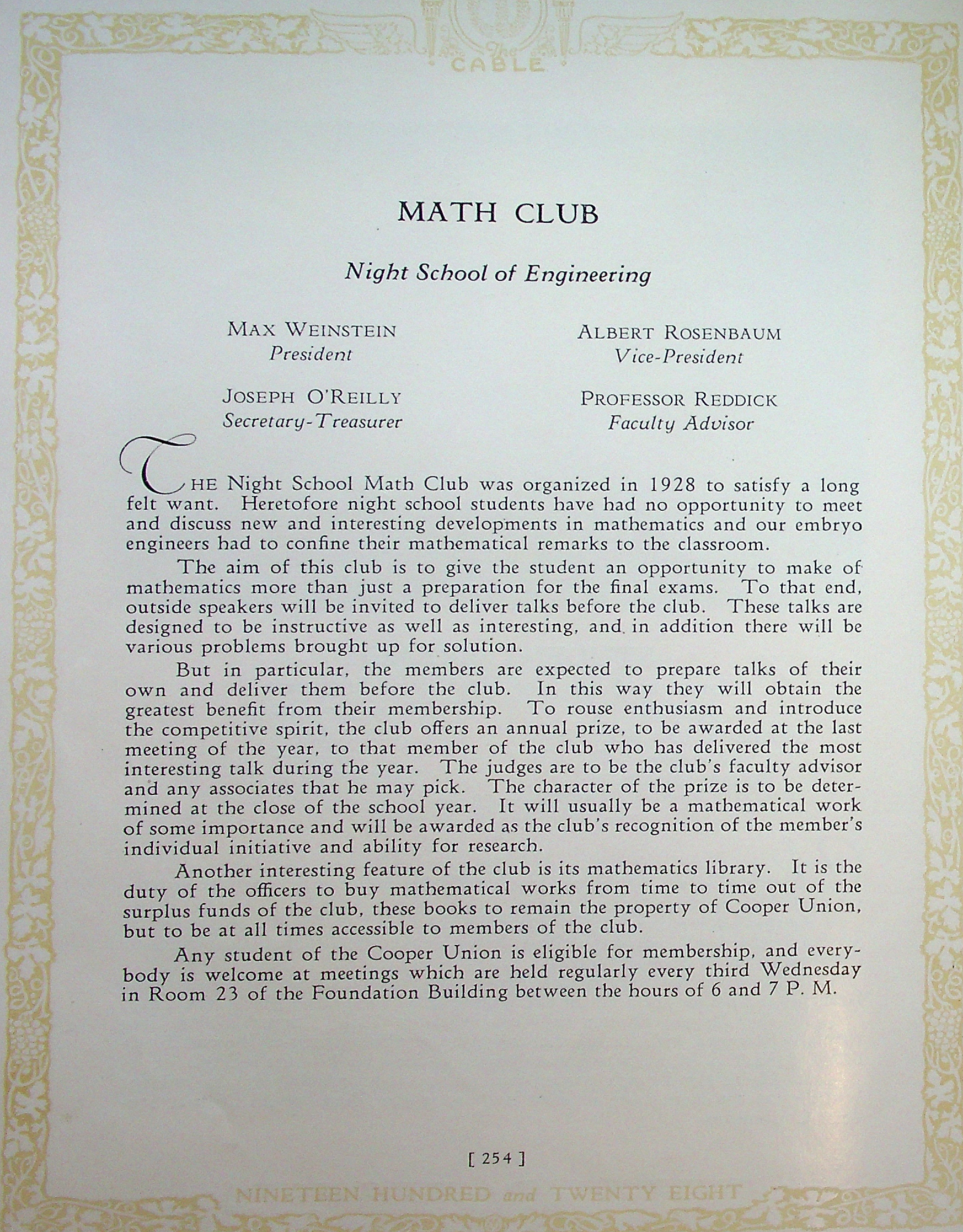
*U*NDER the ever helpful guidance of Professor Bateman, another successful year has come to a close.

At the first meeting held in November, Mr. R. J. S. Pigott, of the Public Service Production Company of New Jersey, spoke on "Modern Tendencies in the Production of Steam Power."

In December the Branch took part in the Annual Conference of Student Branches and visited the plant of the Worthington Pump and Machinery Corp.

At the Alumni Dinner held on February 13th, Cooper Union was formally presented with the original collection of photographs of the past presidents of the A. S. M. E., which was donated to the school by the society.

In March the Branch participated in the joint meeting of the student branches on the engineering societies and also in the Metropolitan District Student Convention.



MATH CLUB

Night School of Engineering

MAX WEINSTEIN
President

ALBERT ROSENBAUM
Vice-President

JOSEPH O'REILLY
Secretary-Treasurer

PROFESSOR REDDICK
Faculty Advisor

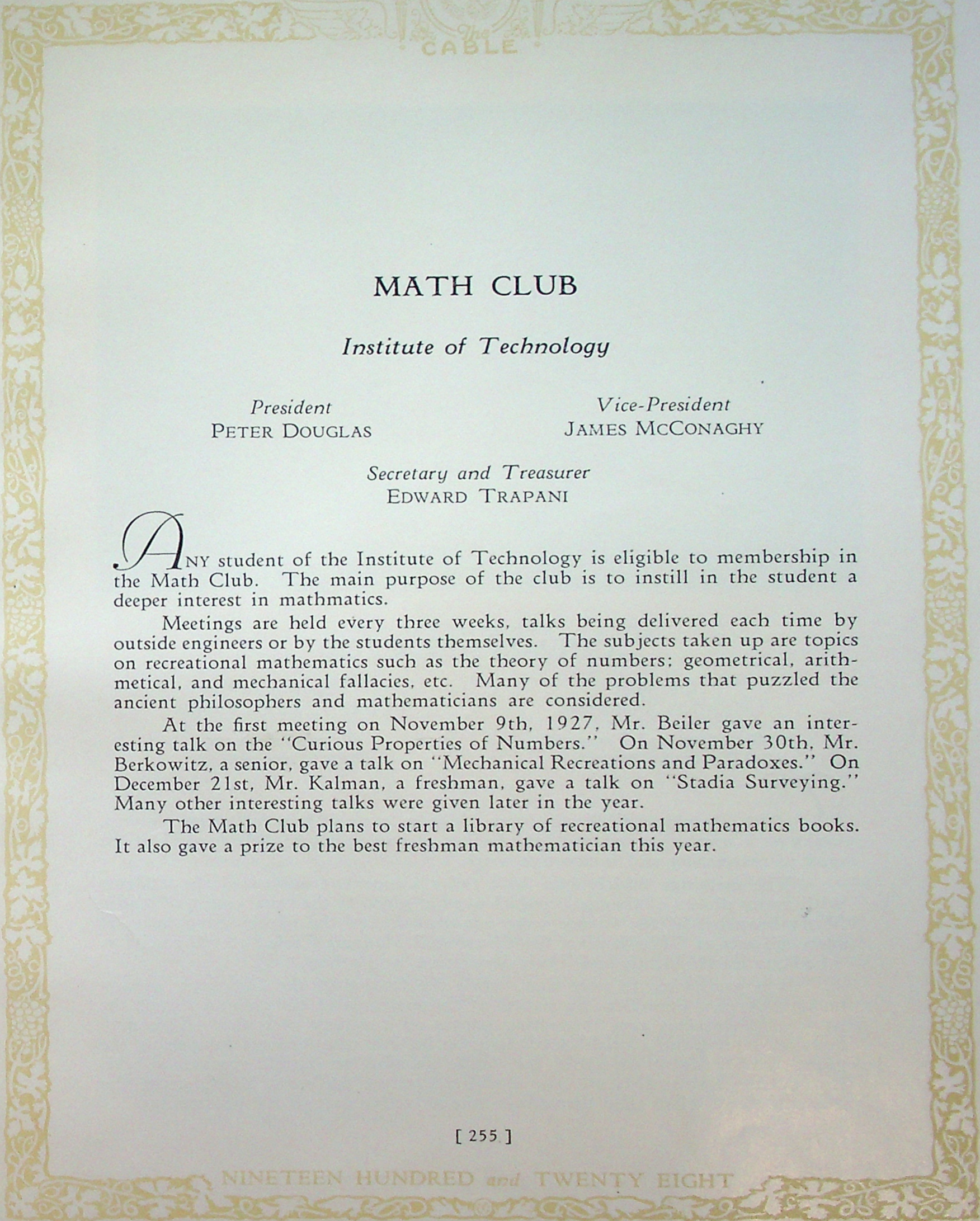
THE Night School Math Club was organized in 1928 to satisfy a long felt want. Heretofore night school students have had no opportunity to meet and discuss new and interesting developments in mathematics and our embryo engineers had to confine their mathematical remarks to the classroom.

The aim of this club is to give the student an opportunity to make of mathematics more than just a preparation for the final exams. To that end, outside speakers will be invited to deliver talks before the club. These talks are designed to be instructive as well as interesting, and in addition there will be various problems brought up for solution.

But in particular, the members are expected to prepare talks of their own and deliver them before the club. In this way they will obtain the greatest benefit from their membership. To rouse enthusiasm and introduce the competitive spirit, the club offers an annual prize, to be awarded at the last meeting of the year, to that member of the club who has delivered the most interesting talk during the year. The judges are to be the club's faculty advisor and any associates that he may pick. The character of the prize is to be determined at the close of the school year. It will usually be a mathematical work of some importance and will be awarded as the club's recognition of the member's individual initiative and ability for research.

Another interesting feature of the club is its mathematics library. It is the duty of the officers to buy mathematical works from time to time out of the surplus funds of the club, these books to remain the property of Cooper Union, but to be at all times accessible to members of the club.

Any student of the Cooper Union is eligible for membership, and everybody is welcome at meetings which are held regularly every third Wednesday in Room 23 of the Foundation Building between the hours of 6 and 7 P. M.



MATH CLUB

Institute of Technology

President
PETER DOUGLAS

Vice-President
JAMES MCCONAGHY

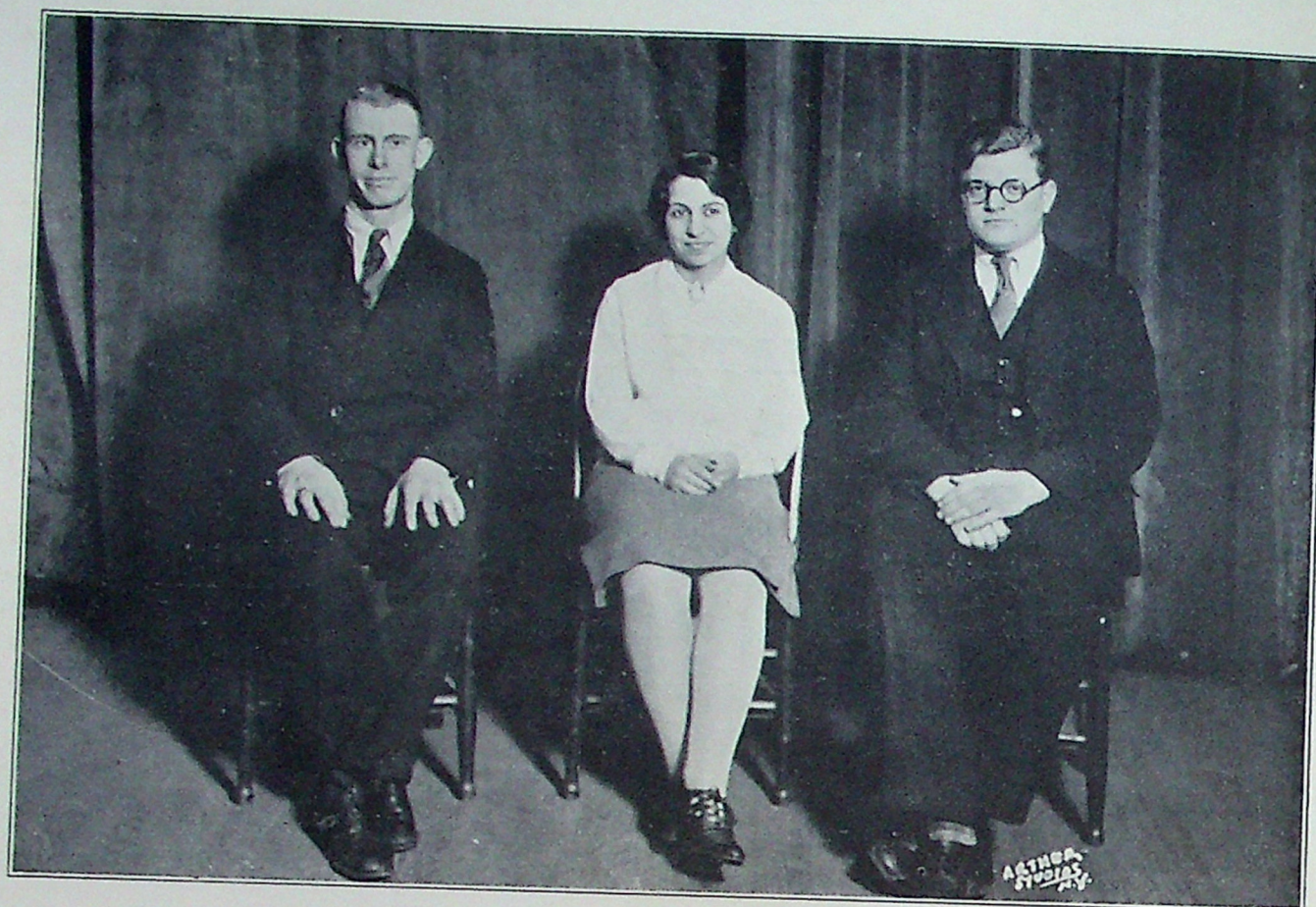
Secretary and Treasurer
EDWARD TRAPANI

ANY student of the Institute of Technology is eligible to membership in the Math Club. The main purpose of the club is to instill in the student a deeper interest in mathematics.

Meetings are held every three weeks, talks being delivered each time by outside engineers or by the students themselves. The subjects taken up are topics on recreational mathematics such as the theory of numbers; geometrical, arithmetical, and mechanical fallacies, etc. Many of the problems that puzzled the ancient philosophers and mathematicians are considered.

At the first meeting on November 9th, 1927, Mr. Beiler gave an interesting talk on the "Curious Properties of Numbers." On November 30th, Mr. Berkowitz, a senior, gave a talk on "Mechanical Recreations and Paradoxes." On December 21st, Mr. Kalman, a freshman, gave a talk on "Stadia Surveying." Many other interesting talks were given later in the year.

The Math Club plans to start a library of recreational mathematics books. It also gave a prize to the best freshman mathematician this year.



CHEMISTRY CLUB

President
MICHAEL POWSNER

Secretary and Treasurer
THOMAS BROWN

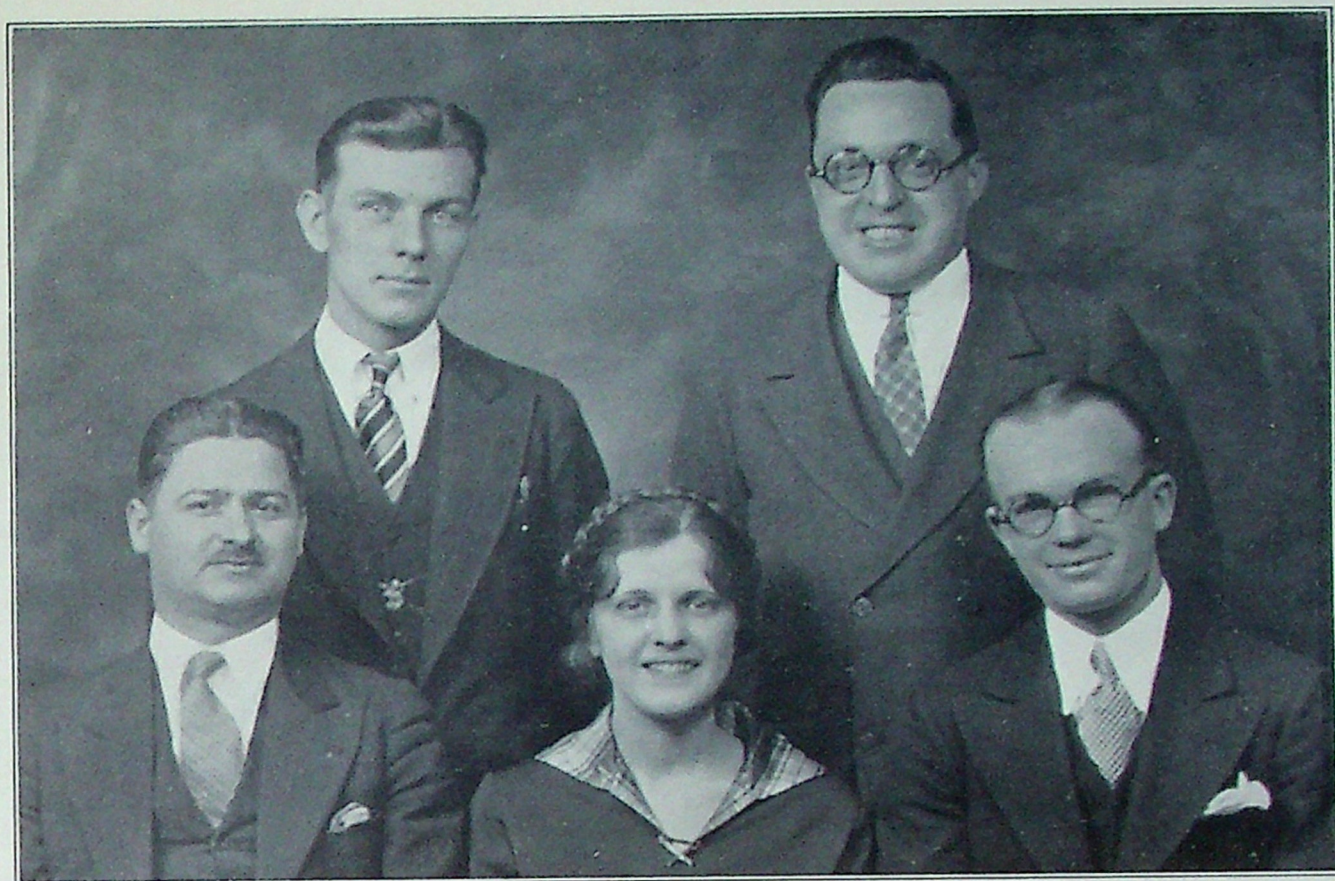
Vice-President
EDNA L. BRESLAWSKY

Faculty Advisor
PROFESSOR BYERS

THE Chemistry Club of Cooper Union, a small but enthusiastic group, looks back upon the year with the feeling of having accomplished much in the way of interesting and instructive work.

The meetings which were held twice a month familiarized the students with many phases of chemistry which are not given in the usual course of study. Many branches of the science were represented, and the papers given included such subjects as "The Market for Chemists," Madame Curie and radioactivity, The Rare Earth Metals and Their Separation, and others.

It is gratifying to note that, while the faculty of the Chemistry department took part in presenting papers at the meetings of the club, many of the students themselves gave interesting papers on a variety of topics. This may be taken to indicate a spirit of cooperation between the students comprising the group that is highly desirable, for, while listening to outside speakers is both stimulating and instructive, the students can get the most benefit from the meetings only when they themselves take an active part in the proceedings.



THE NEWMAN CLUB

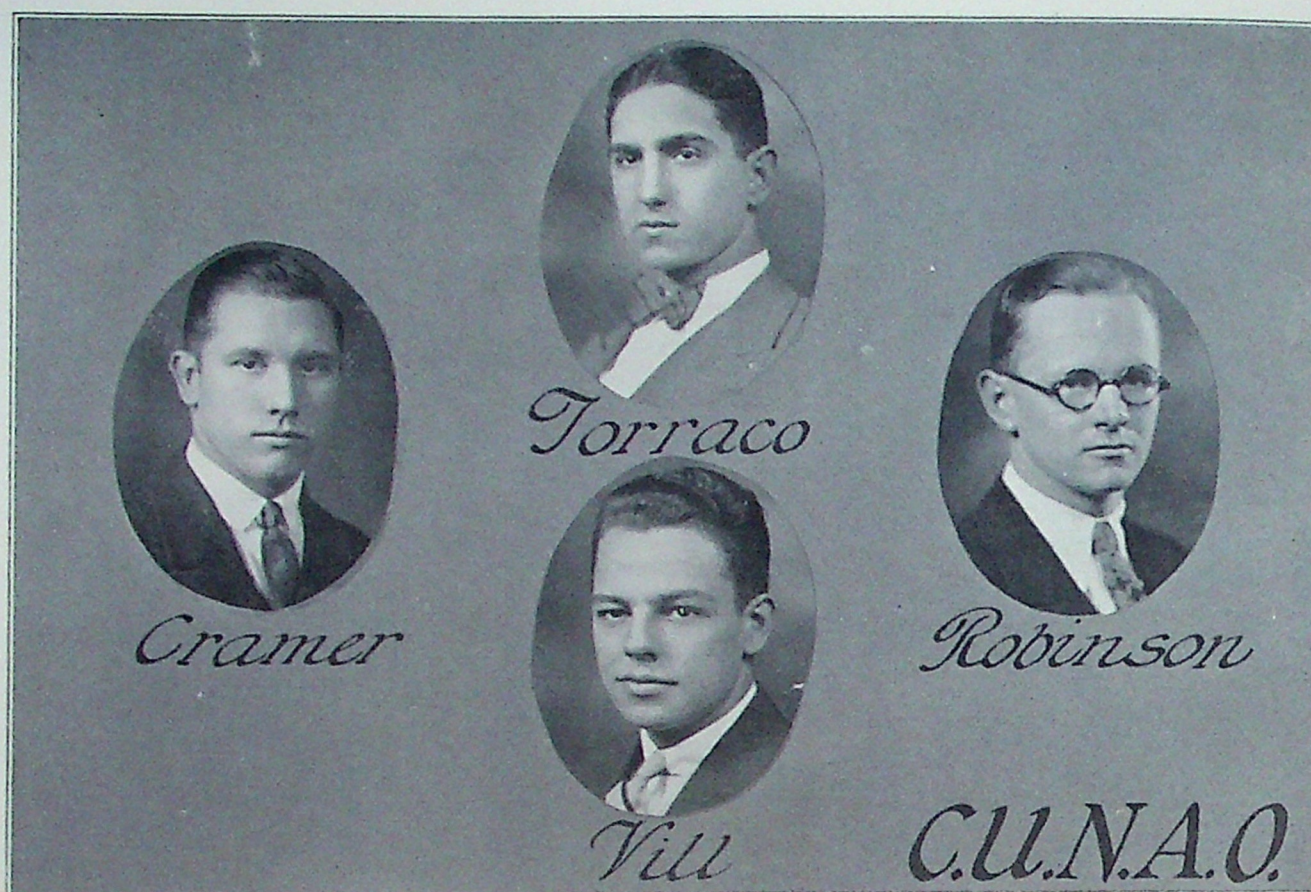
President
JOSEPH A. CAMPBELL
Corresponding Secretary
JOHN J. LYNCH
Treasurer
RAYMOND LAMMARS

Vice-President
FRANK D. BEEBE
Recording Secretary
MARIAN CRONIN
Lecturer
JOHN H. GOLDEN

THE past semester closed a season of success for the Newman Club. Reviewing the various activities, one experiences pleasant memories of interesting and enlightening gatherings held during each month of the school term. Inspiring lectures by the Chaplain, and impressive communion ceremonies were conducive to the spiritual welfare of the members.

The Newman Club, deriving its name from the eminent Cardinal Newman, is a member of the Federation of College Catholic Clubs, an organization representing eighty-eight colleges in the United States and Canada. This Club has been in existence since Nineteen Hundred and Twenty-three, and continues to meet at Newman Hall, the headquarters of the New York Province of the Federation.

The Newman Club aims to develop the worthy ideals of devotion and reverence, together with a desire for scholarly attainments and loyalty to Alma Mater. Its motto "cor ad cor loquitur" more fully expresses its purpose, and the final attainment of this lofty ideal, set by Cardinal Newman, is the earnest endeavor of every Newmanite.



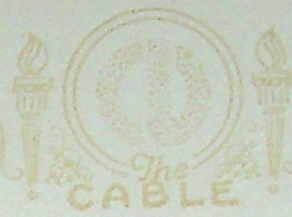
ATHLETIC ORGANIZATION

Schools of Science and Art

<i>President</i>	<i>Vice-President</i>
PETER TORRACO	FRANKLIN ROBINSON
<i>Treasurer</i>	<i>Secretary</i>
CHARLES CRAMER	CARL VILL
<i>Faculty Advisor</i>	
PROF. RAY C. BRUMFIELD, B.S.	

TEAM MANAGERS

<i>Football</i>	<i>Basketball</i>
WILLIAM BRASS	PETER TORRACO
<i>Track</i>	<i>Wrestling</i>
ARTHUR CREIGHTON	JOSEPH DI MARIA
<i>Handball</i>	<i>Tennis</i>
ALBERT KARGMAN	JOSEPH CAMPBELL
<i>Inter-class Basketball</i>	
1927 AWARD—GENERAL SCIENCE '29	



ATHLETIC ASSOCIATION

Institute of Technology

President

GEORGE COLVIN

Vice-President

OKE W. MULLER

Financial Secretary

WILLIAM VANDERHOUT

Secretary

HAROLD LEWIN

TEAM MANAGERS

Basketball

HARVEY WOOD

Baseball

LOREN DE LANTY

Faculty Advisor

PROF. RAY C. BRUMFIELD



TECH ORCHESTRA

"Cooper Collegians"

MARVIN TANNENBAUM

Director

Harry Hanaford	Saxophone
Charles Schweers	Saxophone
Frank Young	Banjo
Jack Baint	Piano
Jack Keller	Tuba
George Pollack	Drums

*I*N reviewing the work done by the Tech orchestra during the past year we find that it has accomplished much in the way of entertainment and publicity for the College.

The orchestra has performed at all the basketball games of the Institute of Technology and has helped to further the spirit of fellowship in the school. The orchestra is a popular performer over the radio which is proven by the numerous request numbers they are constantly being asked to play. The orchestra is now the feature number of the regular Friday night program, being on the air for one hour and a half at a time.

There remains no doubt as to the success of the orchestra for the season of 1927-'28, and it is hoped that the members of the band will carry on the work, so successfully started, next year.

W. K.



WEARERS OF THE GOLD "C"

Student Council Honor Award

Cable

Chester E. Voorhis
Herbert J. Laber
Walter Kalin
Arch. F. Glover
Otto C. Bleicher
Sol. Genderovsky

Pioneer

Charles Sutter
Merle Koblish
Harold Wadlow
Herbert Kammann

Junior Prom

Karl Dreyer
H. Clifford Clarke
Fred W. Naujock

Athletic Organization

Charles Cramer
Peter Torracco

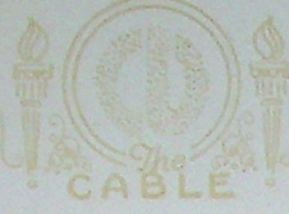
Senior Hop

George Friedl
William Riedell

Annual Affair

Alexander Johnson
Joseph Campbell
Eliotte Talamini





THE ALUMNI FEDERATION OF COOPER UNION

President

J. C. RIEDEL, '98

Secretary

D. R. LOVEJOY, '95

Vice-President

W. A. WAGNER, '03

Treasurer

R. C. COFFIN, '10

THE Alumni Federation came into being just prior to the World War, as the result of the recognition of the need of an agency to bring the alumni organizations of the various schools into closer relationship. It was recognized that there are alumni activities which concern graduates of all the schools, and which required for their fulfillment an organization broader in scope than any one of departmental alumni.

The Federation, as at present constituted, consists of four representatives from each school or department of Cooper Union, two of which are annually elected by the Alumni organization of each of these schools. There is no such thing as individual membership in the Federation. Its only members are the participating alumni bodies, and individual membership is in them only. The Federation therefore strongly urges each student, upon graduation, to affiliate himself with the alumni association of his particular school, and so keep in touch with general alumni matters by virtue of the membership of that organization in the Federation.

The financial requirements of the Federation are met by assessments against the participating Alumni bodies in accordance with their active membership, and are based on an annual budget submitted for their approval.

The list of activities of the Federation includes the Alumni Dinner; the suitable celebration of Founder's Day; the decoration of Peter Cooper's Statue in Cooper Square on Founder's Day; the decoration of the Cooper graves in Greenwood Cemetery on Memorial Day each year; the maintenance of an employment service for students and graduates; the gathering of funds for various purposes connected with Cooper Union, notably to match the Rockefeller Foundation gifts, etc., and generally speaking, any matter which concerns more than one Alumni organization or Cooper Union at large.



Publications



NINETEEN HUNDRED and TWENTY EIGHT

W. Csak



C. Westergaard



H. J. Laber O. C. Bleicher



*C. E. Voorhis
S. Genderovsky A. F. Glover*

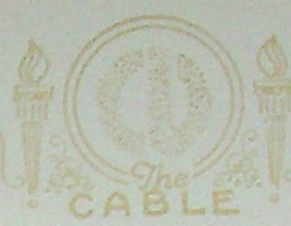


F. A. Muller



S. C. Lum





THE 1928 CABLE

CHESTER E. VOORHIS
Editor-in-Chief

HERBERT J. LABER
Business Manager

SOLOMON GENDEROVSKY
Circulation Manager

ARCHIBALD F. GLOVER
Photo Editor

WILLIAM CSAK
Tech Editor

C. T. WESTERGARD
Tech Circulation Manager

FRANK A. MULLER
Architecture Editor

STANLEY LUM
Architecture Circulation Manager

WALTER KALIN
Staff Editor

OTTO BLEICHER
Athletic Editor

BENJ. A. PINKUS
Assistant Photo Editor

FRED. W. NAUJOCK
Assistant Business Manager

WILLIAM H. BRUNS, B.S.
Faculty Advisor



Wadlow



Vanderhout



Sutter



Henschel



Koblisk



Enders



Cronin



Rothchild



Bivona



Kammann



Powsner

TIME AND TIDE

*I*T might be well, when you get to this point in your perusal of this 1928 CABLE to stop and reflect. Compare the book with CABLES that have gone before this and note the differences, not in competitive value, but in the size of the issue and the improved quality of the material itself.

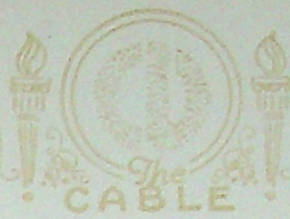
It is quite apparent that there is a difference and the question arises, "why?" The answer lies with the College and is repeated through the mouths of those who have seen vast changes take place in the past few years. The increased number of sales with both the CABLE and the *Pioneer* have enabled these publications to be produced at a greater premium. The *Pioneer* has chosen to decrease its subscription price and the CABLE has increased the size of its issue and has expanded to include schools which heretofore were represented in the most minute fashion.

Cooper Union is gradually coming into its own. The students are undertaking certain Collegiate responsibilities which have always been shirked. An example of the newly-born spirit is the Junior Prom of 1928. Prom committees have always worried about meeting expenses. This in turn forced them to cut down expenditures and the result was that the Proms were not what might have been had the committee had the proper support. Our Prom, we are proud to say, heralds a new era, one in which the committee may work assured of the student support. Is it not inevitable that the Proms will be greatly enhanced?

The Juniors have been forced from year to year to make up deficits arising from the neglect of the College as a unit to buy the CABLE, the students own yearbook. This year has seen the subscription rate "go over the top", thereby making sure of the financial outcome of the CABLE.

We of the 1928 CABLE Board wish to express our gratitude to the College for enabling us to put out what we believe to be the best CABLE ever published. Our only hope is that the College will continue in the light of this new era and keep Cooper Union with the foremost of the American Colleges.

THE EDITOR.

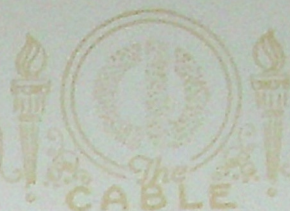


FRATERNITIES



NINETEEN HUNDRED and TWENTY EIGHT



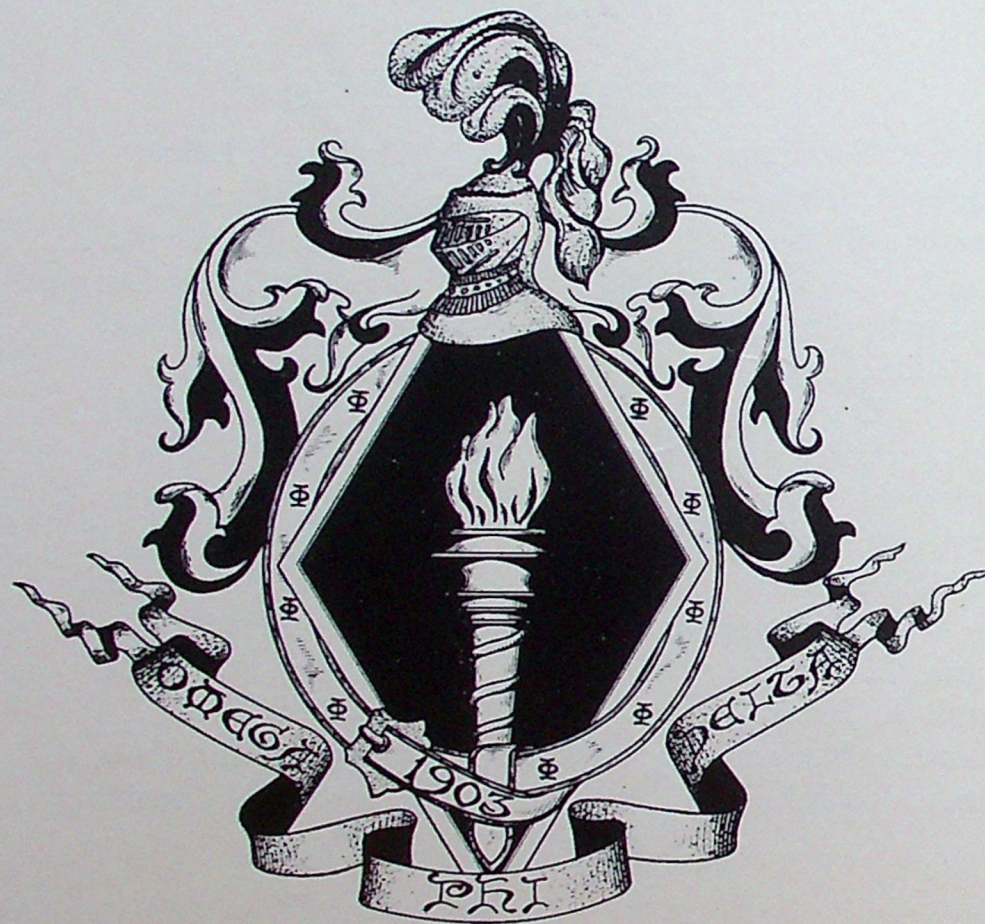


PHI SIGMA OMEGA

Alpha

FRATRES IN COLLEGIO

John F. Bateman	Herbert J. Laber
Frank D. Beebe	John J. Lynch
Clement A. Borges	Charles F. Mattke
Joseph A. Campbell	Thomas E. McDermott
George F. Cassidy	Adam McLacklan
D. J. Dooley	John J. Mihalo
Paul F. Dwyer	Lando E. Monacci
Joseph J. Fody	Fred. W. Naujock
Arthur M. Folgner	William E. Oliver
John J. Gemmelli	Stephen Perrone
John H. Golden	Robert T. Peterson
Louis W. Golombowsky	George Pradl
Frank G. Hundley	William R. Riedell
Frank E. Hunter	Henry J. Sieb
Theodore R. Jennings	Sven E. Stromberg
Alexander Johnson	Chester E. Voorhis
Pasquale J. Zaino	





OMEGA DELTA PHI

FRATRES IN FACULTATE

Walter F. Brown

Karl Hauptmann

Francis P. Carey

C. George Krueger

Otto Puller

FRATRES IN COLLEGIO

Alpha

Otto C. Bleicher

Robert E. Crosson

Hugh C. Clarke

Gordon Carpenter

Louis Dundatscheck

Robert F. Elliott

Elmer F. Ennis

George Friedl

Walter W. Fritschi

Gustave Gottron

Robert F. Gerrie

George W. Gesing

Alfred Hilbert

George Henderson

Philip M. Hamlin

John R. Hefe

Henry F. Hintz

William B. Irvine

Alexander Japp

Walter Kalin

Merle F. Koblish

Edwin A. Krauth

Raymond Kunz

Stephen L. Kuno

Raymond Lammers

Raymond Lewis

Carl W. Meier

Fred. W. K. Miller

Michael P. Mussetti

Albert M. Milford

William J. Matt, Jr.

Lewis McClure

Karl A. Newgreen

Stephen J. Powers

Stephen T. Palumbo

Frank C. Ryder

George W. Reiber

Theodore W. Severynse

Charles J. Sutter, Jr.

Sylvester Spitaleri

Frank J. Strom

Lester J. Timm

Carl A. Vill

Karl Vaupel

Frank J. Winter

DELTA

Ernest Berg

John F. Bivona

Howard Clark

Milton Gill

George Kauber

Joseph W. Laughlin

George Missbach

Norman B. Newcomb

Henry Nilsson

Felice Romeo

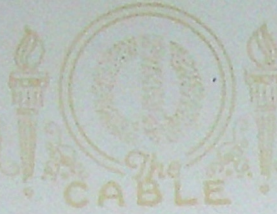
Henry Schoenfish

Frank P. Spinelli

William F. Tiedemann

Harry C. Townsend

Alfred W. Wichmann, Jr.



NINETEEN HUNDRED and TWENTY EIGHT



SIGMA ALPHA PI

Founded 1904

FRATRES IN FACULTATE

John L. Bossert
Werner O. Entenmann

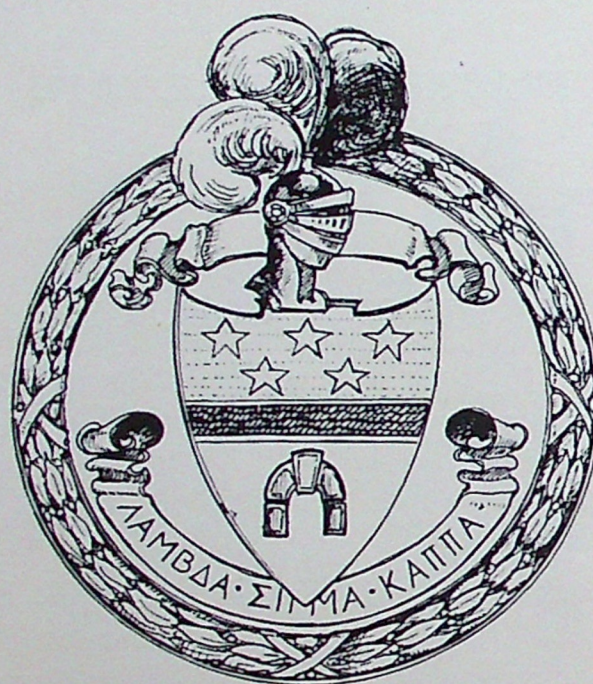
Henry P. Hope

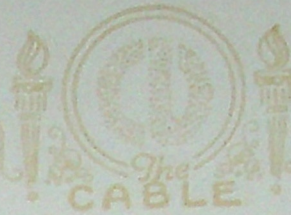
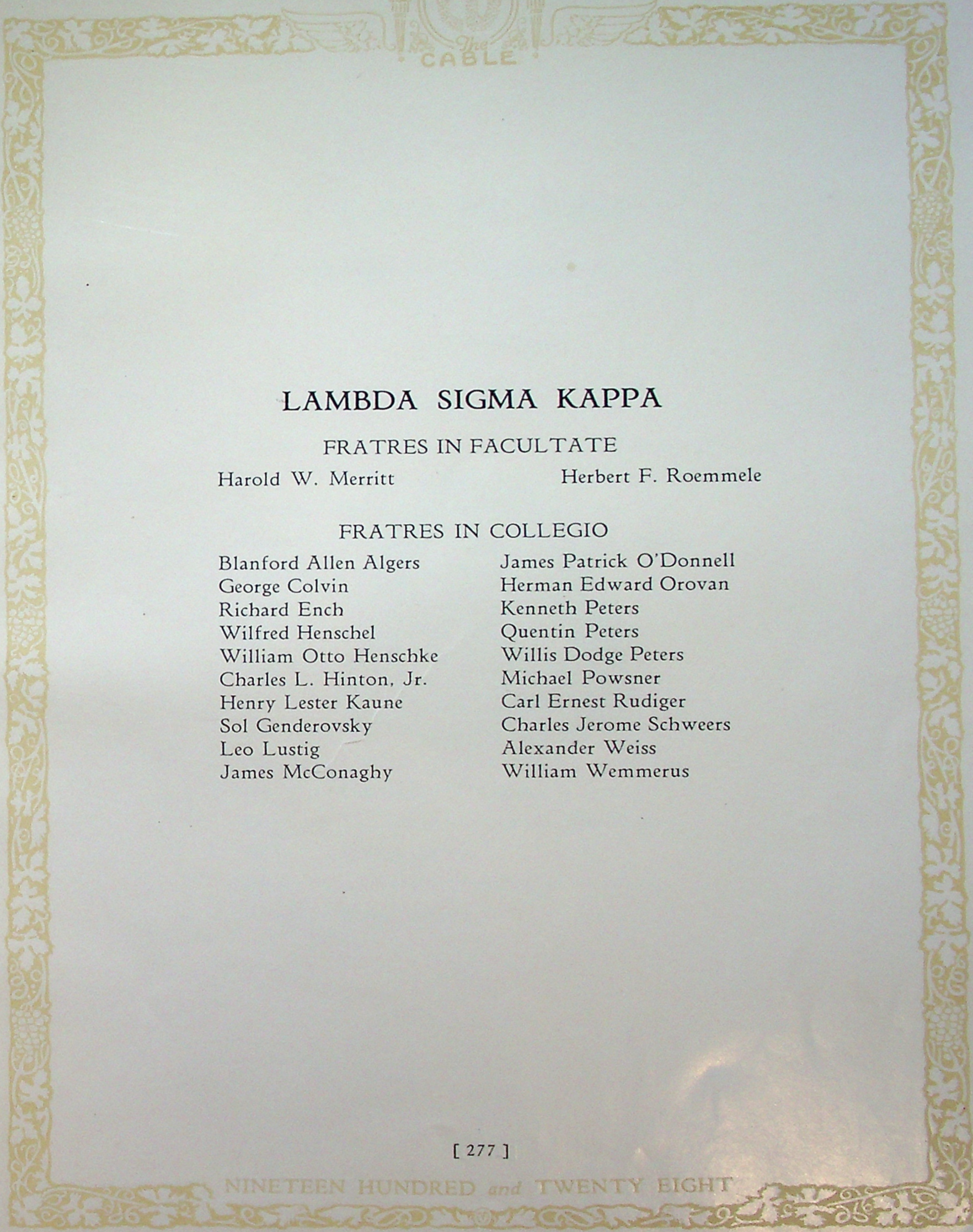
Henry J. Otten, Jr.
Henry T. Wilhelm

FRATRES IN COLLEGIO

Frank R. Bies
John G. Bouquio
Charles D. Brown
James A. Burns
George D. Champlin
Fred. W. Cochrane
William Csak
Loren De Lanty
Frank K. De Voe
George Durfee
Frank R. Forrester
M. Walter Frey
Norman H. Gray
Jacobus P. Groenendyke, Jr.
William P. Haas

Albert J. Jacquet
Carl E. Kastner
Harold Lewin
C. Otto Lindgren
George W. Morgenroth
Oke W. Muller
Charles H. Niles
John Reynolds
Edgar T. Reynolds
Vere W. Russell
Paul A. Sippel
William Vanderhout
Walter Van Nostrand
George Wardwell, Jr.
Harvey W. Wood





LAMBDA SIGMA KAPPA

FRATRES IN FACULTATE

Harold W. Merritt

Herbert F. Roemmele

FRATRES IN COLLEGIO

Blanford Allen Algers

George Colvin

Richard Ench

Wilfred Henschel

William Otto Henschke

Charles L. Hinton, Jr.

Henry Lester Kaune

Sol Genderovsky

Leo Lustig

James McConaghy

James Patrick O'Donnell

Herman Edward Orovan

Kenneth Peters

Quentin Peters

Willis Dodge Peters

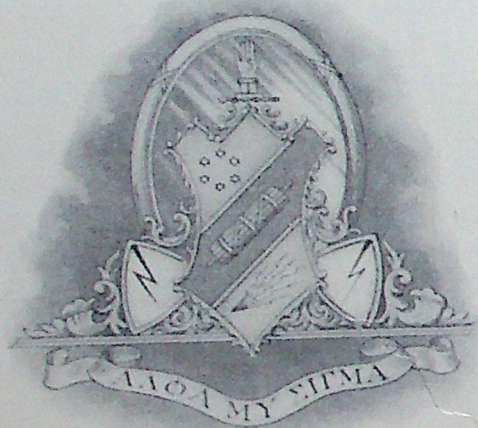
Michael Powsner

Carl Ernest Rudiger

Charles Jerome Schweers

Alexander Weiss

William Wemmerus





ALPHA MU SIGMA

Founded 1914 at Cooper Union



CHAPTERS

<i>Alpha</i>	Cooper Union Institute of Technology
<i>Beta</i>	College of the City of New York
<i>Gamma</i>	Polytechnic Institute of Brooklyn
<i>Delta</i>	Massachusetts Institute of Technology
<i>Epsilon</i>	Columbia University
<i>Zeta</i>	New York University
<i>Eta</i>	Harvard University
<i>Theta</i>	Bellevue Medical College
<i>Iota</i>	Yale University
<i>Lambda</i>	University of Pennsylvania
<i>Mu</i>	University of Maryland
<i>Nu</i>	University of Virginia
<i>Omicron</i>	University of Southern California
<i>Xi</i>	Union College
<i>Rho</i>	University of Alabama
<i>Alumni</i>	New York City



MU ALPHA OMICRON

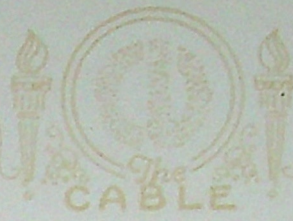
Honorary Fraternity

INSTITUTE OF TECHNOLOGY

Faculty Advisor
PROF. NORMAN L. TOWLE

FRATRES IN COLLEGIO

George F. Colvin
Peter Douglas
Edgar T. Reynolds
Edward F. Staver
William Vanderhout



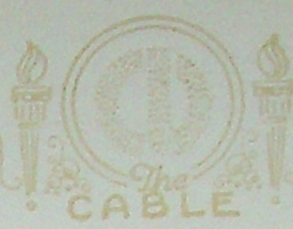
ACTIVITIES



NINETEEN HUNDRED and TWENTY EIGHT



Junior Promenade of 1928



JUNIOR PROMENADE

Classes of 1929

Schools of Science and Art

Hotel Plaza

March 17, 1928

COMMITTEE

Fred W. Naujock, *Chairman*

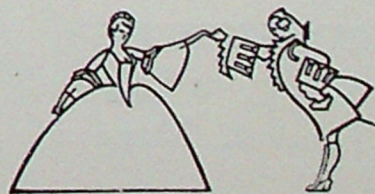
H. Clifford Clarke

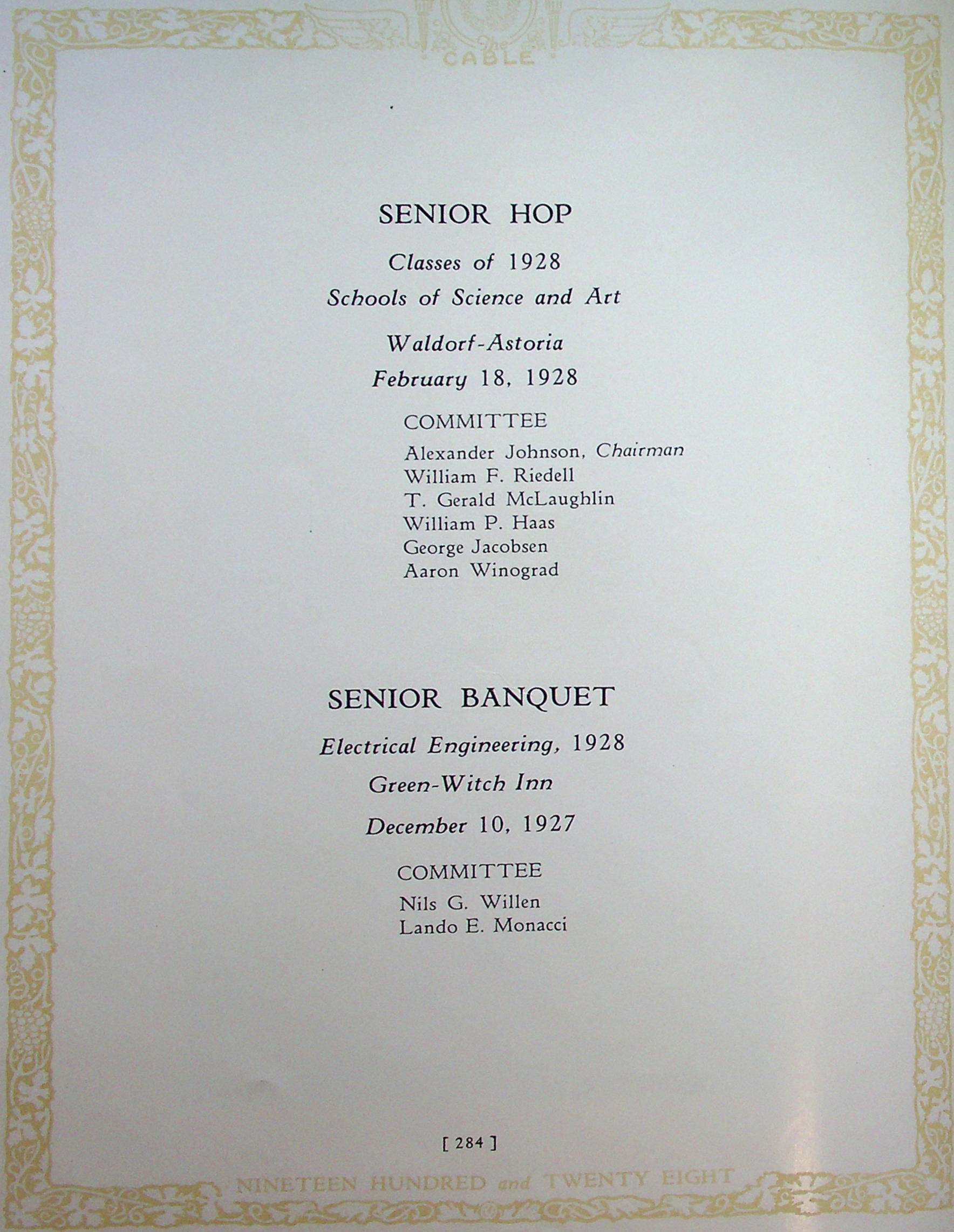
Karl Dreyer

John Hefele

Merle Koblish

Arthur Miller





SENIOR HOP

Classes of 1928
Schools of Science and Art

Waldorf-Astoria
February 18, 1928

COMMITTEE

Alexander Johnson, *Chairman*
William F. Riedell
T. Gerald McLaughlin
William P. Haas
George Jacobsen
Aaron Winograd

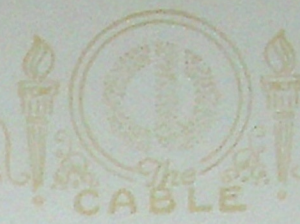
SENIOR BANQUET

Electrical Engineering, 1928

Green-Witch Inn
December 10, 1927

COMMITTEE

Nils G. Willen
Lando E. Monacci



ANNUAL ENTERTAINMENT AND DANCE

Science and Art Councils

Waldorf-Astoria

April 14, 1928

COMMITTEE

Alexander Johnson, *Chairman*

BUSINESS

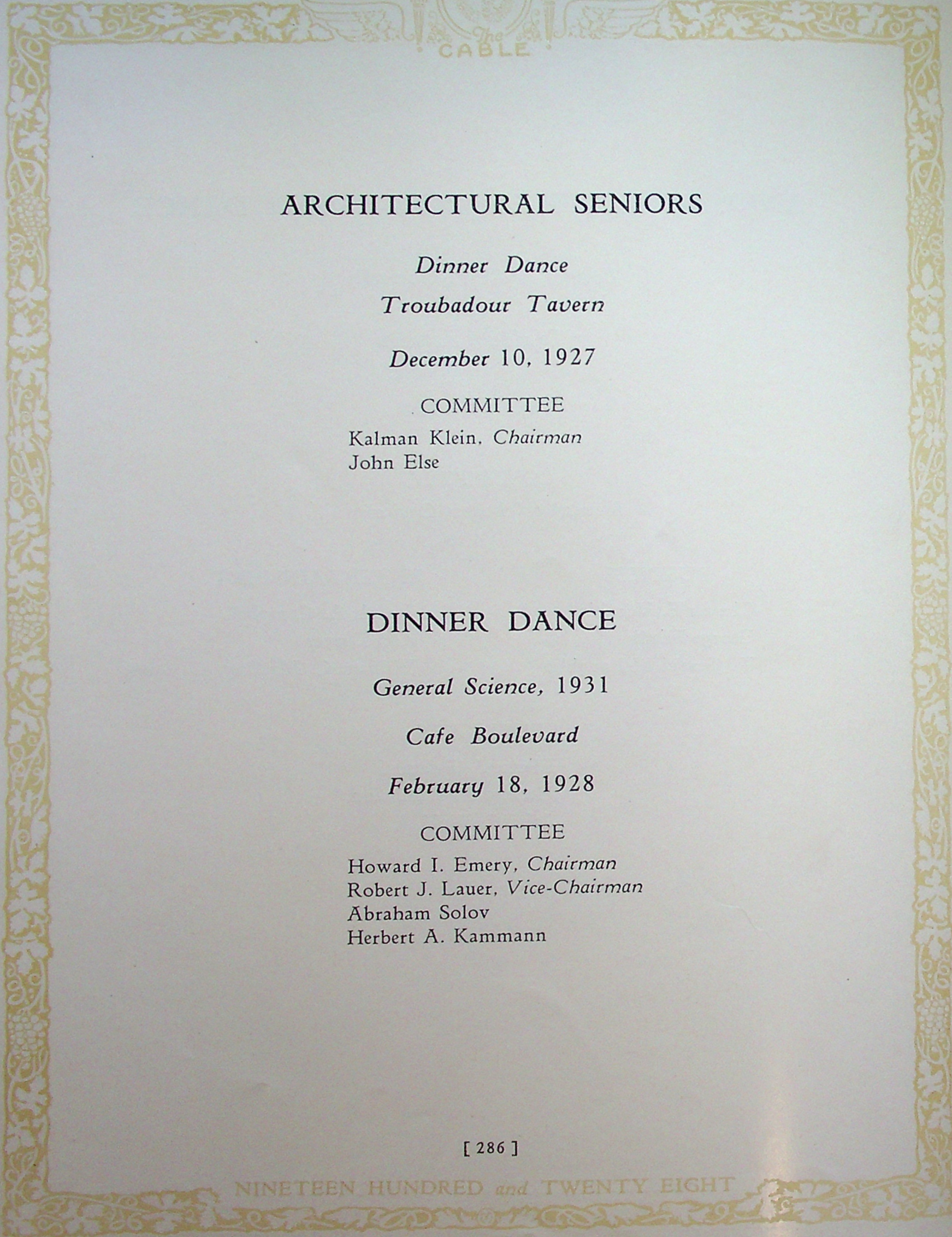
Chester E. Voorhis
George Friedl
T. Gerald McLaughlin

ENTERTAINMENT

Joseph A. Campbell
Karl Dreyer
William C. MacKay

PUBLICITY

Eliotte J. Talamini
Herbert A. Kammann
John C. Wolf



ARCHITECTURAL SENIORS

Dinner Dance

Troubadour Tavern

December 10, 1927

COMMITTEE

Kalman Klein, *Chairman*
John Else

DINNER DANCE

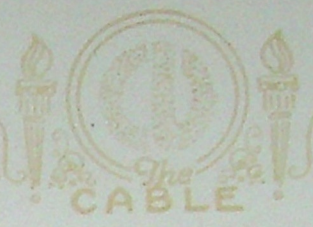
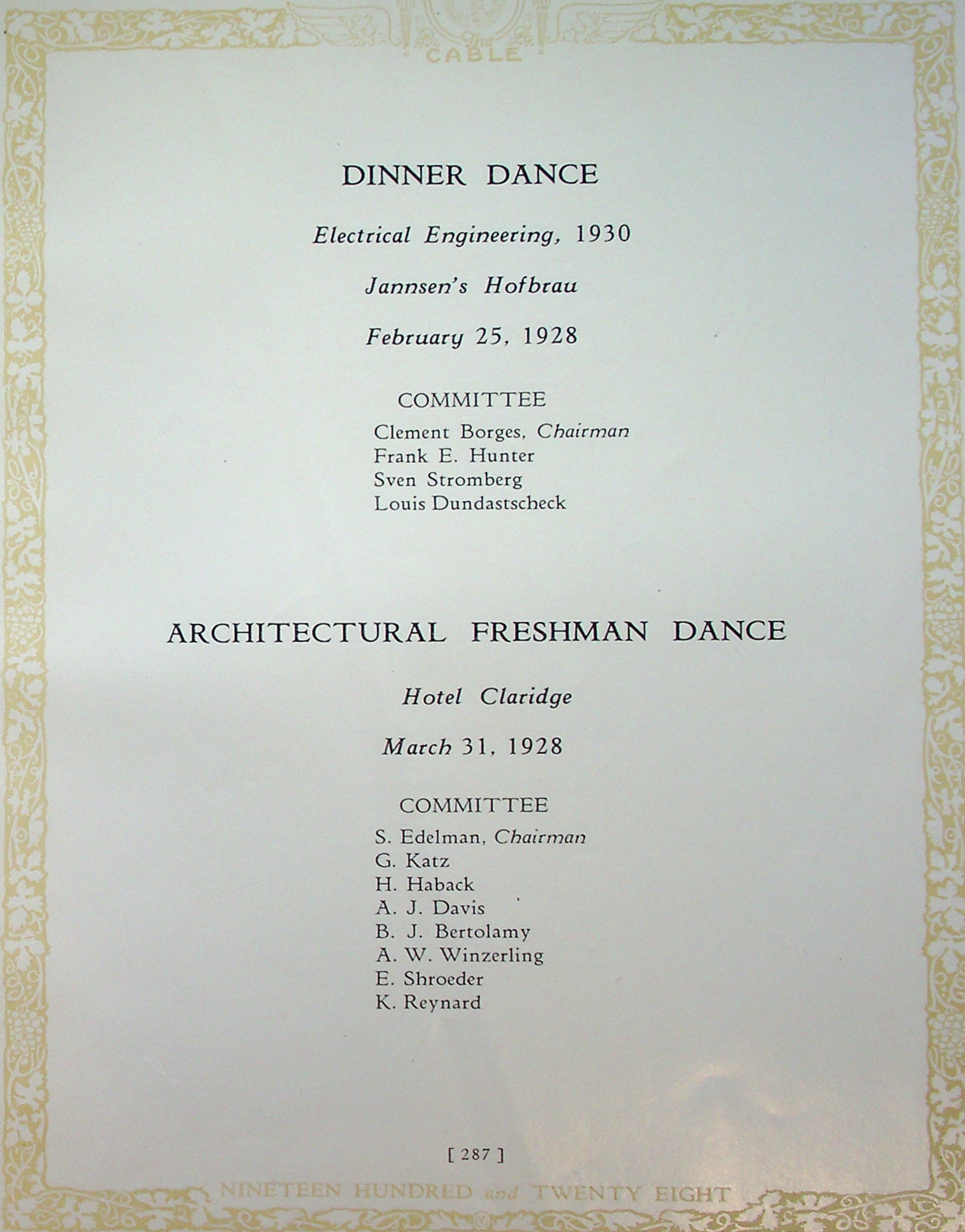
General Science, 1931

Cafe Boulevard

February 18, 1928

COMMITTEE

Howard I. Emery, *Chairman*
Robert J. Lauer, *Vice-Chairman*
Abraham Solov
Herbert A. Kammann



DINNER DANCE

Electrical Engineering, 1930

Jannsen's Hofbrau

February 25, 1928

COMMITTEE

Clement Borges, *Chairman*
Frank E. Hunter
Sven Stromberg
Louis Dundastscheck

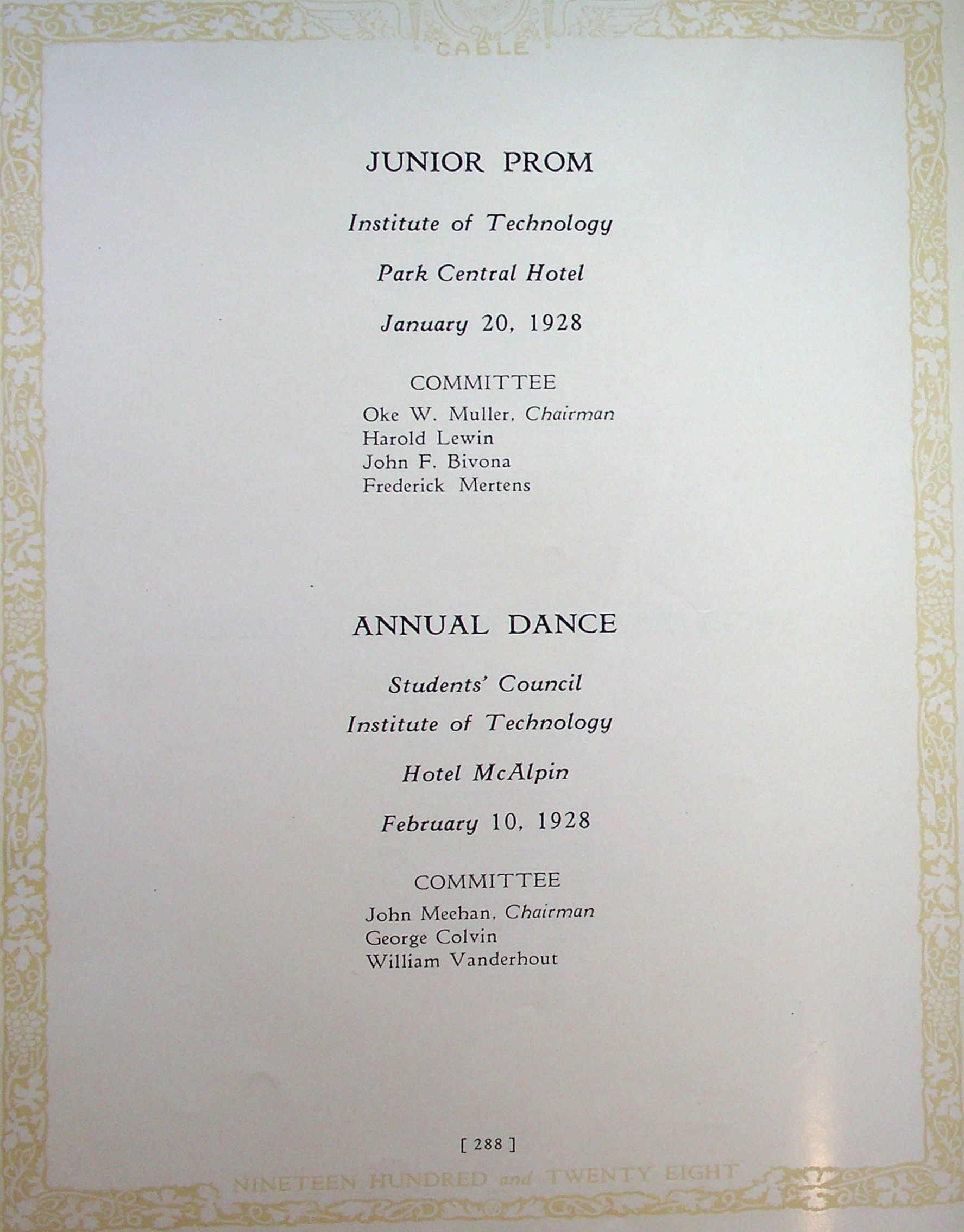
ARCHITECTURAL FRESHMAN DANCE

Hotel Claridge

March 31, 1928

COMMITTEE

S. Edelman, *Chairman*
G. Katz
H. Haback
A. J. Davis
B. J. Bertolamy
A. W. Winzerling
E. Shroeder
K. Reynard



JUNIOR PROM

Institute of Technology

Park Central Hotel

January 20, 1928

COMMITTEE

Oke W. Muller, *Chairman*

Harold Lewin

John F. Bivona

Frederick Mertens

ANNUAL DANCE

Students' Council

Institute of Technology

Hotel McAlpin

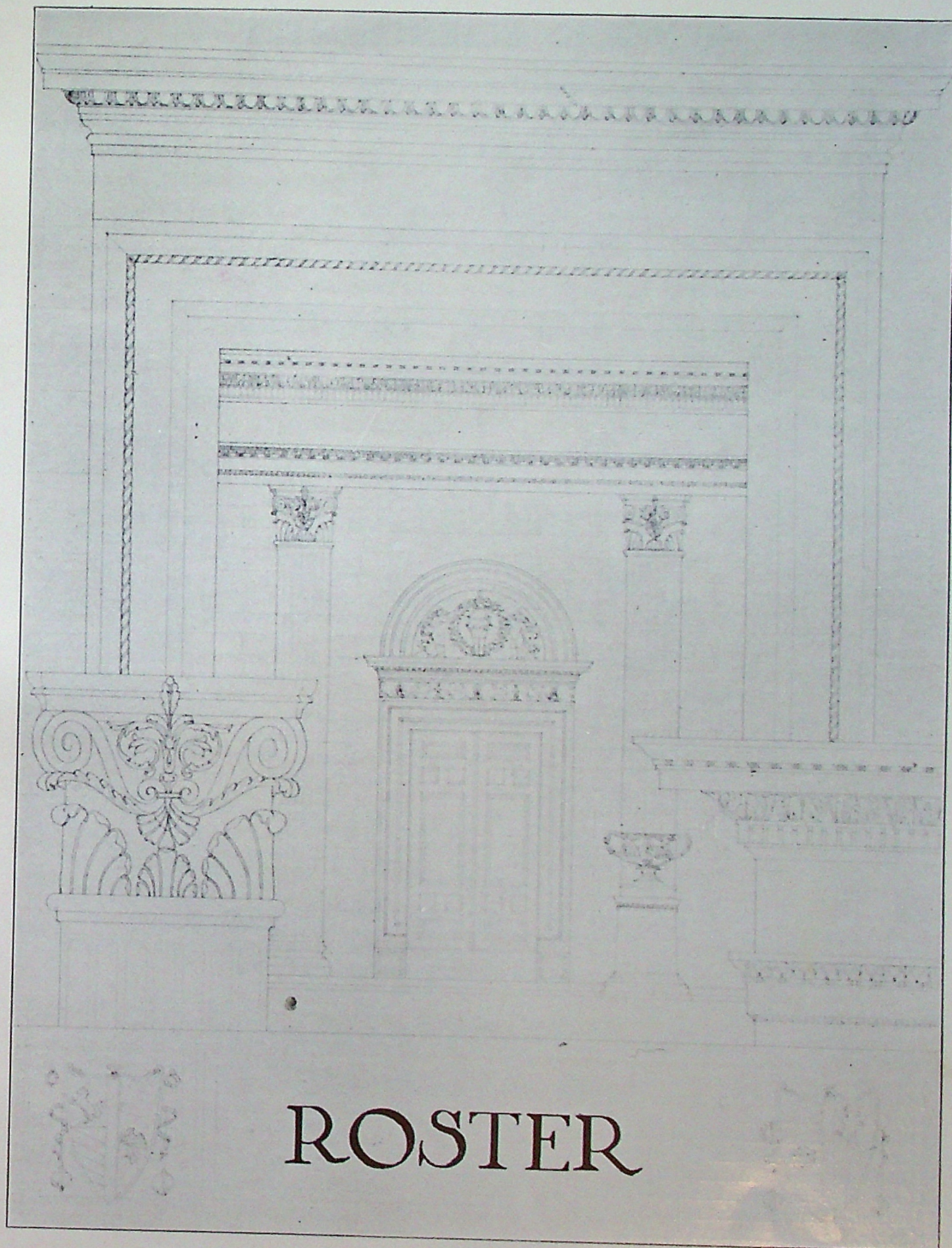
February 10, 1928

COMMITTEE

John Meehan, *Chairman*

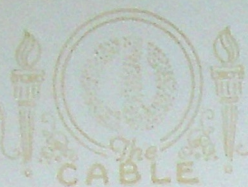
George Colvin

William Vanderhout



ROSTER

NINETEEN HUNDRED and TWENTY EIGHT



GENERAL SCIENCE, 1928

Civil Engineering

Alexander, Beresford M.	437 Manhattan Ave., New York
Bafundo, R. D.	38 Edgewood Pk., New Rochelle, New York-9277
Cagnani, Joseph L.	1108 East 179th St., New York-8932
Cook, Rudolph	2284 Grand Avenue, New York
Crosson, Robert E.	50 St. Pauls Ave., Tomkinsville, Staten Is., N. Y.
Deluna, Albert	197 Bay 28th St., Brooklyn, New York
Dilloughery, Austin Paul	165 Academy St., Long Is. City, Long Is., N. Y.
Dufur, Edwin M.	88 Lynch St., Brooklyn, New York
Fickenscher, Elmer Walter	133 Manhattan Ave., Jersey City, N. J.
Ghersan, Thomas A.	2441 24th St., Astoria, Long Island, N. Y.
Giesecking, Fred W.	718 Chauncey St., Brooklyn, N. Y.-8773
Goldsmith, Saul	4914 Church Ave., Brooklyn, N. Y.
Helfenbein, Isaac J.	1041 Sutter Ave., Brooklyn, N. Y.
Jacobson, George J.	373 Union St., Brooklyn, N. Y.-8137
Jacquet, Alphonse J.	130 Madison St., Woodridge, N. J.-8595
Kapelsohn, Samuel David	85 Miller Ave., Brooklyn, N. Y.
Knipping, Otto A.	301 Madison St., Hoboken, N. J.
Komito, Solomon	1917 69th St., Brooklyn, N. Y.-8038
Kopeck, William W.	2328 Turnbull Ave., Bronx, N. Y.
Latham, George	1 Roosevelt St., Pequannock, N. J.
Lewis, Nathaniel	40 East 98th St., N. Y.
Mackenzie, Clarence K.	85 Montross Ave., Rutherford, N. J.
Mussetti, Michael	981 Second Place, Woodcliff, N. J.
Pisapia, Charles	84 Malvern St., Newark, N. J.-8800
Robinson, F. D., Jr.	12001 St. Anns Ave., Richmond Hill, N. Y.
Rofman, Joseph	863 Whitlock Ave., N. Y.-8926
Rosenberg, David H.	863 Schenectady Ave., Brooklyn, N. Y.
Ryan, James V.	42-41 So. 78th St., Elmhurst, Long Is., N. Y.
Salage, David	3202 Valentine Ave., N. Y.-9108
Santilli Frank	981 Teller Ave., N. Y.
Schofield, Frank	1015 East 24th St., Paterson, N. J.-8609
Schroeder, Charles	128 East End Ave., N. Y.-7953
Sippel, Paul A.	668 Varsity Road, South Orange, N. J.
Solonewitz, Stanley	222 Livonia Ave., Brooklyn, N. Y.-8070
Vill, Carl A.	76 Bleecker St., Jersey City, N. J.
Viniar, Abraham	1498 Crotona Park, E. New York City
Viniar, Abraham	1498 Crotona Park, E. New York City
Welch, John J.	2690 Valentine Ave., Bronx., N. Y.

GENERAL SCIENCE, 1928

Mechanical Engineering

Anzidei, Auguste	161 E. 25th St., N. Y.
Attkiss, Philip	1340 55th St., Brooklyn, N. Y.
Brunck, Peter V.	606 River Terrace, Hoboken, N. J.
Cavagnet, Lucien	340 W. 35th St., New York City
lementi, Paul	62 W. 66th St., New York City
De Groot, John	29 1st St., Newark, N. J.
Duran, Bienvenido	77 E. 113th St., New York City
Haas, William P.	8516 110th Ave., Ozone Park, L. I.
Hamm, Alex	234 W. 21st St., New York City
Hanasek, Frank J.	7024 66th St., Glendale, L. I.
Janssen, Henry	158 Forley St., Elmhurst, L. I.
Kroner, Leo	1602 E. 52nd St., Brooklyn, N. Y.



Kukowitz, Louis	4139 Hancock Pl., Woodside, L. I.
Kulda, Herman	1494 Hoe Ave., Bronx
Mischke, Joseph	323 E. 90th St., New York City
Morgenroth, George W.	510 Sussex St., Harrison, N. J.
Rieber, George	234 Lincoln Pl., Brooklyn, N. Y.
Ruby, Charles	107-21 121 St., Richmond Hill, N. Y.
Ryder, Frank	272 Hickory St., Arlington, N. J.
Saunders, Eric	216 W. 149th St., New York City
Schlesinger, Charles	4241 Barnes Ave., Bronx, N. Y.
Schneider, Frank	212 Oak St., Weehawken Hts., N. J.
Seguso, Oswald	3 Merritt Ave., Tuckahoe, N. Y.
Seidl, Frank	15 Morton, Middle Village, L. I.
Schwind, Ernest	641 E. 4th St., Brooklyn, N. Y.
Then, Edward	21 Wall St., Newark, N. J.
Torraco, Peter	31 Vroom St., Jersey City, N. J.

GENERAL SCIENCE, 1929

Civil Engineering

Ash, Leonard	3936 Bliss St., Sunnyside, L. I.
Baird, Donald W.	889 E. 40th St., Brooklyn, N. Y.
Bilotta, Nicholas	284 E. 144th St., New York City
Brady, Joseph P.	997 Summit Ave., Bronx
Brass, Eugene W.	2140 45th St., Long Island City
Burriello, Michael	389 New York Ave., Union City, N. J.
Caggiano, Nicholas	11 W. 103rd St., New York City
Clark, H. Clifford	243 Clark St., Jersey City, N. J.
Di Maria, Joseph	9205 Fifth Ave., Brooklyn, N. Y.
Flannery, Joseph	225 Third St., Jersey City, N. J.
Genderovsky, Solomon	51 Atlantic St., Jersey City, N. J.
Glover, Archibald F.	611 Herkimer St., Brooklyn, N. Y.
Kuhn, Richard E.	296 N. Y. Ave., Jersey City, N. J.
Laber, Herbert J.	444 E. 87th St., N. Y. City
Marra, James V.	339 E. 55th St., New York City
McBreen, Edwin T.	143 Beechwood Ave., Staten Island, S. I.
McNamara, Peter	241 Hancock St., Jersey City, N. J.
McNamara, Theodore	241 Hancock St., Jersey City, N. J.
Mihao, John J.	114 Spruce St., Port Chester, N. Y.
Mofenson, Isaac	1633 Forty-seventh St., Brooklyn, N. Y.
Newman, Adolph	41 E. 7th St., New York City
Pinkus, Benjamin A.	215 Kosciusko St., Brooklyn, N. Y.
Rebosa, Constantio	25 Grace Court, Brooklyn, N. Y.
Rosenbaum, Abraham	418 Essex St., Brooklyn, N. Y.
Shteinshleifer, Boris	16 E. 7th St., New York City
Von Rimon, Stanley	309 W. 93rd St., New York City
Voorhis, Chester E.	64 Main Ave., Rockville Center, L. I.
Washbourne, John L.	1618 Beverly Road, Brooklyn, N. Y.
Zaino, Pasquale J.	87 Webster Ave., L. I. City

GENERAL SCIENCE, 1929

Mechanical Engineering

Alimoff, Walter A.	20-22 W. 109th St., New York City
Altin, Alex. C.	720 W. 181st St., New York City
Blesi, John C.	1011 University Ave., Bronx
Berand, George S.	875 Third Pl., North Bergen, N. J.
Burns, John J.	14 South St., Jersey City, N. J.

Carroll, James	1865 Linden St., Brooklyn, N. Y.
Cochran, Fred	492 Fifth St., Brooklyn, N. Y.
Cody, William A.	66 Hoze Ave., Rosebank, S. I.
Connolly, John J.	173 Sherman St., Passaic, N. J.
DeHart, Floyd P.	30 N. 17th St., E. Orange, N. J.
Frey, Max W.	354 Mott Ave., New York City
Georgia, James	1097 Summit Ave., Jersey City, N. J.
Groening, Herbert E.	120-19 132nd St., S. Ozone Park, L. I.
Hagedorn, Henry	545 Second Ave., Long Island City
Hartkopf, Harry C.	1051 Koft Ave., Elizabeth, N. J.
Kristo, Fred J.	402 E. 69th St., New York City
Lachman, Louis	372 Palmetto St., Brooklyn, N. Y.
Langenegger, Hans	499 Lincoln Pl., Brooklyn, N. Y.
Lifschitz, Louis	105 Havemeyer St., Brooklyn, N. Y.
Lindgren, Carl O.	4824 4th Ave., Brooklyn, N. Y.
Longnecker, Walter	65 Oakdere Ave., Grantwood, N. J.
McCabe, Valentine	726 60th St., Brooklyn, N. Y.
McDermott, Thomas E.	141 Center St., New York City
Murry, John	14 W. 42nd St., Bayonne, N. J.
Naujock, Fred. W.	660 79th St., Brooklyn, N. Y.
Ortalli, Joseph J.	3395 Reservoir Oval, N. Y.
Schwind, George	235 Quintine Rd., Brooklyn, N. Y.
Taynore, Solomon	2700 Bronx Parkway, E. N. Y.

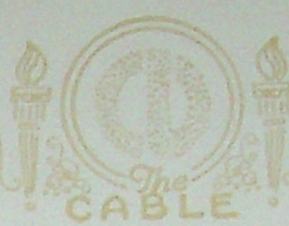
GENERAL SCIENCE, 1930

Section I

Askowitz, Sol.	462 Georgia Ave., Brooklyn, N. Y.
Baker, Thomas J.	25-24 38th St., Long Island City, N. Y.
Blumenstock, Natna	818 E. 150th St., New York City
Brass, William C.	21-40 45th St., Long Island City, N. Y.
Buhler, Fred	8904 148th St., Jamaica, Long Island, N. Y.
Burrows, Charles G.	2625 Farragut Road, Brooklyn, N. Y.
Butler, Rovert G.	1040 Anderson Ave., New York City
Campbell, Joseph A.	4648 47th St., Woodside, Long Island, N. Y.
Connell, Harold C.	190 South St., Mariners Harbor, Staten Island, N. Y.
Curley, John P.	122 Mercer St., Jersey City, N. J.
Delbourgo, Salvador	359 Elderls Lane, Brooklyn, N. Y.
Fitzgerald, Gerald M.	653 Eagle Ave., New York City
Felming, John C.	109 W. 101st St., New York City
Gibson, A. Methuen	118 W. 134th St., New York City
Golden, John H.	20 Somme St., Newark, N. J.
Golombowski, Louis W.	4320 55th St., Woodside, Long Island, N. Y.
Humphreys, Evan, Jr.	214 Barry Ave., Mamaroneck, N. Y.
Jannings, Theo. R.	Fanklin Ave., Hewlett, Long Island, N. Y.
Johansen, John A.	32 Warren Ave., Palisade, N. J.
Kisbany, George	105 Westover Pl., West New York, N. J.
Klotz, G. E.	43 Orchard St., Ridgfield Park, N. J.
Lammars, Raymond	3509 62nd St., Woodside, Long Island, N. Y.
Lynch, John J.	70 Nicholls Ave., Corona, N. Y.
Peterson, Robert T.	538 84th St., Brooklyn, N. Y.
Poinsette, Harry L.	55 Hanson Place, Brooklyn, N. Y.
Przygodzki, Frank A.	10 Meta Place, Maspeth, Long Island, N. Y.
Puy, Francis	511 19th St., Union City, N. J.
Reich, Oscar	31 Cannon St., N. Y.
Wander, Harry C.	Spring Valley, N. Y.

Section II

Asch, A. B.	215 Madison St., N. Y.
Brescia, Nicholas	30 Prescott St., Jersey City, N. J.
Dwyer, Paul F.	117 Kearney St., Paterson, N. J.



Ehbrecht, Adolph	893 Crotona Park, N. Y.
Ehrenzweid, John A.	794 E. 158th St., N. Y.
Fallon, David Geddes	25 Boyde Ave., Jersey City, N. J.
Fody, Joseph J.	5148 Somonson St., Elmhurst, Long Island, N. Y.
Eilloon, Daniel	375 86th St., Brooklyn, N. Y.
Hart, James J.	327 W. 12th St., N. Y.
Heifetz, Sidney	335 Grand St., Brooklyn, N. Y.
Henderson, George	308 Fairmount Ave., Jersey City, N. J.
Heughebart, August	112 E. 30th St., New York City
Hotaling, Ronald	1112 72nd St., Brooklyn, N. Y.
Hundley, Frank G.	106 80th St., Jackson Heights, Long Island, N. Y.
Klein, Max	14 Lombardy St., Brooklyn, N. Y.
Lasciak, Charles	279 Hudson St., New York City
Levine, Harry	269 15th St., Brooklyn, N. Y.
Malay, Charles B.	148-25 88th St., Jamaica, Long Island, N. Y.
Mennonna, James	106 Poncatico St., North Tarrytown, N. Y.
Milford, Albert M.	919 Trinity Ave., New York City
O'Connell, John	650 Palisade Ave., Jersey City, N. J.
Perotto, Rivelle	263 Palisade Ave., Union City, N. J.
Perrone, Stephen	55 83rd St., Jackson Heights, Long Island, N. Y.
Pillartz, Walter	1040 Fox St., New York City
Pradl, George	8716 Queens Blvd., Elmhurst, Long Island, N. Y.
Purcell, Raymond J.	1102 Bloomfield St., Hoboken, N. J.
Richter, William W.	24-26 Butler St., Corona, Long Island, N. Y.
Buckbrod, Eric	455 7th Ave., New York City
Ruskin, Maurice	2130 61st St., Brooklyn, N. Y.
Samarin, Leo Alex.	420 W. 156th St., New York City
Seib, Henry J.	175 No. Broadway, Yonkers, N. Y.
Thomson, Raymond R.	613 Rugby Road, Brooklyn, N. Y.
Vamos, Leslie L.	1421 Madison Ave., New York City

Section III

Accatasia, Joseph	214 Canal St., New York City
Folgnier, Arthur M.	575 W. 177th St., New York City
Fucci, James	492 Central Ave., Union City, N. J.
Cragola, John R.	315 E. 104th St., New York City
Jaeger, Henry F.	105 Dewey St., Newark, N. J.
Lawrence, Edwin J.	1140 40th St., Brooklyn, N. Y.
Lebedef, Ivan L.	353 48th St., Brooklyn, N. Y.
McLacklan, Adam	55 Bayview Ave., So. Norwalk, Conn.
Malinawski, Frank	17 William St., Mamaroneck, N. Y.
Oliver, William E.	81 Andros Ave., Mariners Harbor, Staten Island, N. Y.
Picusci, Joseph A.	180 Linden Ave., Brooklyn, N. Y.
Silverberg, Harry	1356 Sheridan Ave., New York City
Tobias, Louis	334 E. 55th St., Brooklyn, N. Y.
Van Nostrand, Walter L.	16 Palmer Ave., Port Richmond, N. Y.
Viassers, Raymond	118 W. 63rd St., New York City

GENERAL SCIENCE, 1931

Section I

Banton, Francis A. J.	420 Hudson Ave., West New York, N. J.
Berkowitz, Joseph	159 Forsyth St., New York City
Bersig, Walter C.	1343 DeKalb Ave., New York City (Bronx)
Briganti, Arnold	3572 DeKalb Ave., New York City (Bronx)
Carpenter, Gordon	364 83rd St., Brooklyn, N. Y.
Cassidy, Geo. F.	116 E. 128th St., New York City
Davis, Arthur	661 Palisade Ave., Jersey City, N. J.
Dienes, Robert	402 Marion St., Brooklyn, N. Y.



Cassidy, Geo. F.	116 E. 128th St., New York City
Davis, Arthur	661 Palisade Ave., Jersey City, N. J.
Dienes, Robert	402 Marion St., Brooklyn, N. Y.
Di Giacomo, Rocco	31 Essex St., Paterson, N. J.
Dimatteo, John Ernest	124 Broadway, Jersey City, N. J.
Kokulil, John	419 First Ave., Astoria, L. I.
Eck, Frank	294 E. Burnside Ave., Bronx, N. Y.
Elliott, Robert F.	375 Communipaw Ave., Jersey City, N. J.
Emery, Howard I.	1937 E. 13th St., Brooklyn, N. Y.
Gaynor, Hugh F.	316 W. 117th St., New York City
Geraghty, James	42 Howard Ave., Brooklyn, N. Y.
Gluck, Arthur P.	587 E. 140th St., New York City
Golombowsky, J. P.	4320 55th St., Woodside, L. I.
Grupe, George B.	737 Kingsland Ave., Grantwood, N. J.
Guinee, J. Edward	401 Thompson Ave., Roselle, N. J.
Higgins, Joseph J.	457 N. Walnut St., E. Orange, N. J.
Holzer, Albert W.	546 Devon St., Arlington, N. J.
Horgan, Edward	4245 247th St., Little Neck, L. I.
Hornby, Cecil R.	31 Belmont Ave., Jersey City, N. J.
Houghton, Burr L.	2619 E. 16th St., Brooklyn, N. Y.
Kelz, Leo B.	71 Chester Ave., Brooklyn, N. Y.
Liebowitz, Simon	1356 College Ave., Bronx, N. Y.
Lutcha, John	57 Willow St., Astoria, L. I.
McClure, Lewis H.	92 S. 25th St., Flushing, L. I.
Svuger, Frank	236 McKinley Ave., Brooklyn, N. Y.

Section II

Archer, David M.	65 Sheridan Ave., Brooklyn, N. Y.
Decker, Charles	8020 88th Road, Woodhaven, L. I.
Fertitta, V. J.	508 E. 12th St., New York City
Frey, Alfred H.	33 78th St., New York City
Frey, Alfred H.	33 78th Road, Flushing, L. I.
Gerrie, Robert F.	52 22nd St., West New York, N. J.
Healy, Thos. F.	26 Caspian St., Elizabeth, N. J.
Hodor, Max Charles	841 Cauldwell Ave., Bronx, N. Y.
Johnson, David R.	1737 Garfield St., New York City
Kammann, Herbert A.	129 49th St., Union City, N. J.
Kargman, Alex	452 Atlantic Ave., Brooklyn, N. Y.
Kemmer, Adam Joseph	9414 112th St., Richmond Hill, L. I.
Kerrigan, Frederick William	10 W. 121st St., New York City
Kosowsky, Hyman	26 Montgomery St., New York City
Krakora, George	31-39 91st St., Elmhurst, L. I.
Landsman, Isidore A.	633 Lexington Ave., Brooklyn, N. Y.
Langbein, Walter B.	2385 Grand Concourse, New York City
Lauer, Robert	162 12th St., L. I. City
Laughton, John U.	Detroit Ave., Princess Bay, S. I.
Loweenthal, Julius	454 78th St., Brooklyn, N. Y.
Macri, James W.	43 Andrew St., Bayonne, N. J.
Magrath, Arthur W.	8548 109th St., Richmond Hill, L. I.
Martorano, Philip	3317 99th St., Corona, N. Y.
Matchett, John	32 Dover St., Paterson, N. J.
Mattson, Clarence	320 6th St., Brooklyn, N. Y.
McWhood, Thorne	840 70th St., Brooklyn, N. Y.
Muhlsteff, Robert P.	105 W. 105th St., New York City
Newman, Morris	1172 St. Marks Ave., Brooklyn, N. Y.
Olifiers, Cornelius C.	1214 Hancock St., Brooklyn, N. Y.
Olmo, John	233 E. 9th St., New York City
Pautzke, Herman	106 W. 105th St., New York City
Reuter, Ernest	865 7th Ave., Astoria, L. I.
Santora, Paul A.	5411 Junction Blvd., Elmhurst, L. I.
Vonderahe, Louis K.	773 Home St., Bronx, N. Y.



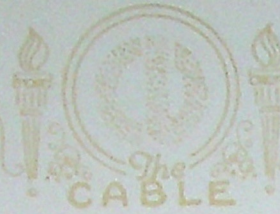
Section III

Altschuler, Frank	339 Riverdale Ave., Brooklyn, N. Y.
Brommage, George P.	203 7th Ave., Brooklyn, N. Y.
Francis, Wm. J.	P. O. Box 66, Peekskill, N. Y.
Gordon, Wallace	71 W. 102nd St. N. Y.
Mattke, Charles	925 Steinway Ave., L. I. City
Nagel, William	340 E. 139th St., New York City
Patten, John J.	280 Dean St., Brooklyn, N. Y.
Pfister, Eugene	2089 Hoyt Ave., Fort Lee, N. J.
Plaskowitz, Herman	55 Forsyth St., New York City
Poli, Thomas	236 E. 42nd St., New York City
Rosenblatt, Arthur	6155 Linden St., Brooklyn, N. Y.
Roth, Michael	320 E. 92nd St., New York City
Sadler, Charles R.	142 Morton Place, Bronx, N. Y.
Savage, Andrew J.	436 E. 139th St., New York City
Schmehl, Conrad	24 Riverside Ave., Lyndhurst, N. J.
Schulman, Louis	2057 67th St., Brooklyn, N. Y.
Simons, Lester C.	7904 Ridge Blvd., Brooklyn, N. Y.
Smith, Vincent E.	147 15th Ave., Astoria, L. I.
Spinka, Frank R.	66-59 Pleasantview St., Middle Village, L. I.
Taylor, Robert	699 E. 137th St., Bronx, N. Y.
Tweedy, Edwin S.	194 Forbell Ave., Brooklyn, N. Y.
Van Eck, Robert	1035 Victroy Blvd., New Brighton, N. Y.
Vaupel, Karl	3152 45th St., Long Island City
Wade, De Forrest V.	471 Central Park West, New York City
Webb, John Foster	175 Pinehurst Ave., New York City
Zampach, Otto Emil	119 25th St., Guttenberg, N. J.
Zieve, William Al.	45 Bay 23rd St., Brooklyn, N. Y.
Zuleeg, Charles C.	236 E. 60th St., New York City

GENERAL SCIENCE, 1932

Section I

Abramson, Max	282 Broome St., New York City
Altman, Henry	1475 Grand Concourse, New York City
Anastasio, Alfred A.	104 Van Sicklen St., Brooklyn, N. Y.
Anderson, John L.	503 E. 78th St., New York City
Aronson, Alex D.	917 Greene Ave., New York City
Balaban, Morton L.	507 Grove St., Jersey City, N. J.
Battista, William P.	253 W. 112th St., New York City
Baxter, Joseph F.	653 E. 164th St., New York City
Bender, Jack	1164 51st St., Brooklyn, N. Y.
Berlowitz, Samuel	1149 Nostrand Ave., Brooklyn, N. Y.
Bloch, Oscar	45 W. 112th St., New York City
Boehm, George	567 Academy St., Long Island City
Bonnema, L. A.	18 Hobart Place, Garfield, N. J.
Branfuhr, Henry, Jr.	41 E. 23rd St., New York City
Burke, Robert E.	2135 Homecrest Ave., Brooklyn, N. Y.
Butler, John J.	458 Meadow St., Elizabeth, N. J.
Cartwright, R. W.	426 W. 56th St., New York City
Cathcart, Alton M.	654 Bergen Ave., Jersey City, N. J.
Cody, Vincent	66 Hope Ave., Rosebank, S. I.
Cooke, Vincent G.	13 Palm Court, Brooklyn, N. Y.
Cousens, Chas. M.	106-10 Rockaway Blvd., Ozone Park, L. I.
Crane, Herbert H.	53 Suffolk St., New York City
Dugan, Eugene J.	3012 Murray St., Flushing, N. Y.
Durr, Charles E.	1989 Morris Ave., New York City
Eastwood, William N.	35 Rock St., Jersey City, N. J.
Farago, Paul Charles	159 W. 99th St., New York City



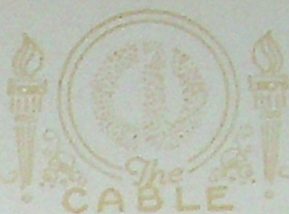
Fitzpatrick, Joseph	641 W. 169th St., New York City
Frazer, Albert G.	309 E. 55th St., New York City
Fritsche, Edward R.	691 Hudson St., New York City
Gately, John W.	289 Clermont Ave., Brooklyn, N. Y.
Gerling, Ernest Alfred	515 W. 134th St., New York City
Gerringer, Samuel	452 Manhattan Ave., New York City
Gigstad, Knut	2741 Hudson St., Jersey City, N. J.
Gill, James Christopher	68 E. 123rd St., New York City
Gillim, William Gates	Cor. State and Essex Sts., Hackensack, N. J.
Lechterman, Edwin	6220 Anna Place, Brooklyn, N. Y.
Lewis, Clarence Irwin	158 Bergen Ave., Jersey City, N. J.
Plumer, Bernard	1060 Sheridan St., New York City

Section II

Byrne, J. Edward	60 Clarkson Ave. Brooklyn, N. Y.
Golsong, John W.	575 St. Johns Place, Brooklyn, N. Y.
Gomez, Joseph R.	358 McKinley St., Cliffside, N. J.
Green, Herman	Rockaway Park, Brooklyn, N. Y.
Green, G. Leslie	96 Macdougall St., New York City
Guilmette, Robert E.	552 Franklin St., Elizabeth, N. J.
Gummerson, Nils Robert	215 W. 23rd St., New York City
Healy, Joseph P.	439 Longfellow Ave., New York City
Heckman, Harry W.	Jackson Ave., Box 233, Seaford, L. I.
Hertzlich, Henry	1713 72nd St., Brooklyn, N. Y.
Hicks, Charles F.	1379 3rd Ave., New York City
Hilkene, Henry Peter	106 Van Waganen Ave., Jersey City, N. J.
Hiller, Edgar	6109 39th Ave., Woodside, L. I.
Hughes, Thomas Robert	121 32nd St., Woodcliff, N. J.
Irvine, William H.	1150 Teller Ave., New York City
Jackman, J. T., Jr.	95 Prospect St., Nutley, N. J.
Johansen, Edward L.	405 3rd Ave., Brooklyn, N. Y.
Johnson, Emil U.	4046 Amundsen Ave., New York City
Katenkamp, Harold F.	1034 Park Ave., Hoboken, N. J.
Kearney, John Gorden	2877 Roberts Ave., New York City
Kielblock, William	7431 64th Lane, Glendale, L. I.
Klein, George F.	408 Chestnut St., Brooklyn, N. Y.
Kryston, Frank	65 N. 8th St., Brooklyn, N. Y.
Laitman, Jacques	550 Throop Ave., Brooklyn, N. Y.
Leary, Ramond J.	16 Barrow St., New York City
Lesniak, John	153 E. 4th St., New York City
Long, Thomas	203 Clinton St., Brooklyn, N. Y.
Lonzar, Joseph A.	207 E. 14th St., New York City
MacKay, John	176 Garfield Ave., Jersey City
Mangels, Herbert E.	109-26 200th St., St. Albans, N. Y.
Melita, Joseph An.	3809 99th St., Corona, L. I.
Melomo, Anthony	1421 67th St., Brooklyn, N. Y.
Schoeman, David	64 Ft. Washington Ave., N. Y.
Waksman, Harry	346 E. 10th St., New York City

Section III

Bavusi, Peter	826 E. 228th St., Bronx, N. Y.
Campolong, Frank J.	712 Oakland Place, New York City
Durk, Peter	235 Third St., Jersey City, N. J.
Hardenburg, P. H.	6024 69th St., Brooklyn, N. Y.
Metz, Jacob	1618 Washington Ave., Bronx, N. Y.
Milbert, Hyman	1268 Grant Ave., New York City
Molner, Andrew L.	414 E. 65th St., New York City
Musilek, Harry A.	3204 83rd St., Brooklyn, N. Y.
Pincus, Harry	350 Christopher St., Brooklyn, N. Y.
Piro, Victor	1342 Franklin Ave., New York City
Rimlinger, Joseph G.	101-16 132nd St., Richmond Hill, L. I.
Robertson, Kenneth A.	452 E. 182nd St., New York City



Rohlich, Gerard	812 Buchman Ave., Brooklyn, N. Y.
Rouse, Harold D.	2719 Beverley Road, Brooklyn, N. Y.
Sandler, Frederick	187 Pine St., Jersey City, N. Y.
Sanicola, Carmelo Joseph	135 Franklin St., Brooklyn, N. Y.
Schapiro, Paul	346 S. 3rd St., Brooklyn, N. Y.
Scheps, Sam	1691 Selwyn Ave., New York City
Schmidt, Edgar H.	638 Crotona Place S., New York City
Schnieder, Charles	221 Ave. F, Brooklyn, N. Y.
Schmitzbauer, Joseph	716 St. Anns Ave., New York City
Schubel, Karl E.	115 W. 94th St., New York City
Slauer, Arthur	156 Newkirk St., Jersey City, N. J.
Smith, Theodore Bernard	1780 W. 9th St., Brooklyn, N. Y.
Speh, George J.	2332 E. 21st St., Brooklyn, N. Y.
Stafford, Frank	25 South St., New York City
Stein, Fred C., Jr.	1791 Tacoma St., New York City
Stewart, John	289 Central Ave., Jersey City, N. J.
Terzuola, Natale	169 Sullivan St., New York City
Thornton, Paul R.	163 St. Nicholas Ave., Bronxville, N. Y.
Toll, George P.	1572 Macombs Rd., New York City
Tuscher, George	1287 Chisholm St., New York City
Van Dam, John H.	158 Washington Place, Hasbrouck Hts., N. J.
Wartelsky, Jack	732 152nd St., New York City
Wexler, Saul	601 Metropolitan Ave., Brooklyn, N. Y.
Wedeman, John D.	9 Clayton Place, Brooklyn, N. Y.
Wilfert, James Norris	296 Sterling Place, Brooklyn, N. Y.
Wilson, Hugh	526 W. 174th St., New York City
Wohl, Jack	55½ Lorimer St., Brooklyn, N. Y.

ELECTRICAL ENGINEERING, 1928

Bartlett, John T.	8 Godfrey Rd Upper Montclair N.J.	66 Fenimore St., Brooklyn, N. Y.
Blumstein, Gustave		1505 Boston Road, New York City
Bruno, Simone F.	323 E. Walnut St Long Beach N.Y.	522 Glenmore Ave., Brooklyn, N. Y.
Cadavero, Alfred		855 E. 218th St., New York City
Congolose, Frank X.		615 Bloomfield St., Hoboken, N. J.
Edelstone, Joseph N.		564 Vermont St., Brooklyn, N. Y.
Epstein, Solomon		498 Jefferson Ave., Brooklyn, N. Y.
Friedl, George	16 Woodlawn Way Manhasset N.Y.	3171 32nd St., Long Island City
Frietchi, Walter W.		3968 59th St., Woodside, L. I.
Gavina, George G.		1748 Garfield St., Bronx, N. Y.
Gemmelli, John J.	11 Atlanta Ave East Williston	72 W. 107th St., New York City
Goddard, Ernest J.		457 47th St., Brooklyn, N. Y.
Gottron, Gustave	463 West St. NYC	2537 Decatur Ave., Bronx, N. Y.
Halpern, Jacob	1360 Hicks St. Bronx C7 N.Y.	883 E. 176th St., New York City
Herbat, Bruce		512 Wythe Ave., Brooklyn, N. Y.
Johnson, Alexander		1663 Troy Ave., Brooklyn, N. Y.
Kenneally, Daniel J.		485 Central Park W., New York City
Michal, Otto		1725 Davidson Ave., Bronx, N. Y.
Mollers, John A.		386 East 161st St., New York City
Monacci, Lando E.	2930 164th Blklyn	1107 Gerard Ave., Bronx, N. Y.
Petroff, Nicholas V.	8627 239th Bellerose	164 No. 4th St., East Orange, N. J.
Powers, Stephen		1210 Washington St., Hoboken, N. J.
Purgalin, Abraham C.		41 Chauncey St., Astoria, L. I.
Riedell, Wm. F.		147 Moffatt St., Brooklyn, N. Y.
Saltzbar, Joseph		631 East 137th St., New York City
Scanlon, John F.		282 Reservoir Place, Bronx, N. Y.
Spitaleri, Sylvester		2348 7th Ave., Astoria, L. I.
Stone, Alfred W.		531 30th St., Union, N. J.
Weinstein, Max		1947 Bergen St., Brooklyn, N. Y.
Wertheimer, Albert		1372 Grant Ave., Bronx, N. Y.
Wetmore, Harold D.		3110 Bailey Ave., New York City
Willen, Nils G.		208 North 11th St., Newark, N. J.

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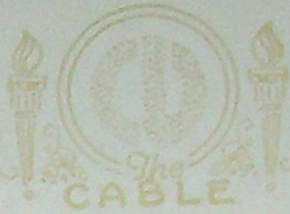
ELECTRICAL ENGINEERING, 1929

Anthes, A. A.	218 W. 27th St., New York City
Bleicher, Otto C.	464 Potter Ave., L. I. City
Buchler, Max	3609 Broadway, New York City
Coles, Charles H.	799 Ocean Ave., Brooklyn, N. Y.
Denardo, James D.	699 South 18th St., Newark, N. J.
Elste, Charles	520 Jersey Ave., Elizabeth, N. J.
Ennis, Elmer J.	46 South Ave., Mariners Harbour, S. I.
Fuller, Sprague J.	133-31 118th St., Richmond Hill, L. I.
Gary, Alvin C.	216 W. 136th St., New York City
Grant, Mark S.	1204 Gilbert Place, New York City
Hefele, John R.	2476 Elm Place, Fordham, New York City
Japp, Alexander	102 Columbus Ave., Morsenere, N. J.
Johnson, Harold W.	212 E. 126th St., New York City
Jordan, Joseph A.	204 Cater Ave., Jersey City, N. J.
Kagin, Paul	2369 Fourth Ave., Astoria, L. I.
Kalin, Walter	1916 Fowler Ave., New York City
Krauth, Edwin A.	1469 Fulton Ave., Bronx
Lapolt, Gerald S.	544 125th St., New York City
MacDonald, Donald J.	856 Macone St., Brooklyn, N. Y.
Maloney, Edwin S.	30 Court St., Brooklyn, N. Y.
Meier, Carl	201 28th St., New York City
Roehr, William L.	3210 East Chester Road, Bronx
Schriber, William A.	1178 Caly Ave., Bronx, N. Y.
Sookman, Nathan	57 E. Third St., New York City
Weissburg, Martin	1287 89th Hoe Ave., Bronx, N. Y.
Winterberg, Samuel	451 Palisade Ave., West New York, N. J.
Zurich, George	1878 7th Ave., New York City

ELECTRICAL ENGINEERING, 1930

Section I

Autere, Sigurd	2018 5th Ave., New York City
Balsdon, E. J.	4224 214th Place, Bayside, L. I.
Bies, Frank R.	10843 109th St., Richmond, L. I.
Borges, Clement	2288 Mott Ave., Far Rockaway, L. I.
Bosch, Robert	373 Webster Ave., Jersey City, N. J.
Breitwieser, George	77 Hack Plank Road, Weehawken, N. J.
Carroll, N. J.	664 E. 166th St., New York City
Louis Dundatscheck	2473 Broadway, New York City
Eberbach, Arnulf	18 Trinity Place, Arlington, N. J.
Foernsler, Louis O.	11113 113th St., Richmond Hill, L. I.
Gold, Samuel	1617 Prospect Place, Brooklyn, N. Y.
Greenberg, Jack	660 Flushing Ave., Brooklyn, N. Y.
Grossman, Louis	200 E. 102nd St., New York City
Heyman, Sam	398 Sutter Ave., Brooklyn, N. Y.
Hoeffler, Herbert	55 W. 17th St., New York City
Hunter, F. E.	605 E. 16th St., Brooklyn, N. Y.
Kenz, Michael N.	572 W. 173rd St., New York City
Kimmich, William	157 E. 112th St., New York City
Kleinfelder, Arthur	295 West St., Union City, N. J.
Konstam, Leon M.	1950 Bryant Ave., New York City
Lamperti, Louis	4180 Laconia Ave., Bronx, New York City
Leibner, Philip	330 Dahill Road, Brooklyn, N. Y.
Lewis, Raymond A.	Y. M. C. A., Flushing, N. Y.
Little, Herbert R.	433 Marion St., Brooklyn, N. Y.
Lurkis, Alexander	141 W. 4th St., Mt. Vernon, N. Y.
Martin, Louis	197 Howland St., Astoria, L. I.
Martinez, Clement	241 W. 113th St., New York City



Morey, Harold.....	49 Sidney Place, Brooklyn, N. Y.
Olander, Carl F.....	148 Oakdene Ave., Teaneck, N. J.
Pansini, Frank J.....	234 E. 14th St., New York City
Stromberg, Sven E.....	908 52nd St., Brooklyn, N. Y.
Stutz, Francis A.....	311 32nd St., Woodcliffe, N. J.

Section II

Bolles, Walter.....	8784 115th St., Richmond Hill, L. I.
Kassoy, Nathan.....	817 Bryant Ave., New York City
Kopp, Frank C.....	125 Glenwood Ave., Jersey City, N. J.
Larkin, James J.....	42 E. 142nd St., New York City
Meyer, Charles R.....	229 Sherman Ave., Roselle Park, N. J.
Milarta, Louis E.....	18305 89th Ave., Jamaica, L. I.
Mulloy, James W.....	121-23 103rd Ave., Richmond Hill, L. I.
Pasquale, Joseph.....	39 King St., New York City
Moore, Leo F.....	49 North St., Bayonne, N. J.
Murray, James.....	3011 W. 11th St., New York City
Nigro, Patsy.....	613 Kosciusko St., Brooklyn, N. Y.
Nyitray, Joseph A.....	24-11 Crescent St., Long Island City
O'Reilly, John P.....	617 W. 135th St., New York City
Paillex, Robert A.....	131 W. 77th St., New York City
Raile, Fred J.....	1745 Park Ave., New York City
Sablesak, William E.....	240 Manhattan Ave., New York City
Sands, Joseph A.....	1159 Lexington Ave., New York City
Schalk, R overt.....	1848 67th St., Brooklyn, N. Y.
Schoenfeld, Kurt.....	101 29th St., Woodcliff on Hudson, N. J.
Serry, Edward.....	431 W. 125th St., New York City
Skrotski, Bernhardt G. A.....	342 Cornelia St., Brooklyn, N. Y.
Squitieri, T. F.....	638 Union St., Brooklyn, N. Y.
Stubner, F. W.....	138 Folsom Ave., Brooklyn, N. Y.
Talamini, E. J.....	464 4th Ave., Newark, N. J.
Tejada, Charles.....	40 W. 91st St., New York City
Temple, Trevor.....	2355 Grand Concourse, New York City
Timm, Lester John.....	788 Montgomery St., Jersey City, N. J.
Ulreich, Fritz.....	889 8th Ave., Astoria, L. I.
Van Sicklen, E. M.....	31 Vail St., Islip, N. Y.
Weis, Edward M.....	85 Alkamont Ave., Scarsdale, N. Y.
Zuleeg, John F.....	235 E. 60th St., New York City

ELECTRICAL ENGINEERING, 1931

Section I

Anton, Max.....	6 Ridgewood Place, Brooklyn, N. Y.
Auerbach, David.....	266 Throop Ave., Brooklyn, N. Y.
Bacon, Louis.....	1663 E. 19th St., Brooklyn, N. Y.
Botta, Pierre.....	328 W. 25th St., New York City
Braida, Louis.....	508 Second Ave., New York City
Broden, Francis C.....	130 E. 4th St., Brooklyn, N. Y.
Brooks, Edward.....	96 St. Marks Place, New York City
Burns, Joseph, Jr.....	1128 Applegate Ave., Elizabeth, N. J.
Castaing, Emmanuel Jean.....	7816 Fort Hamilton Parkway, Brooklyn, N. Y.
Chisholm, Charles E.....	255 Pacific St., Brooklyn, N. Y.
Craig, James A.....	298 Hamilton Place, Hackensack, N. J.
De la Cruz, Miguel P.....	317 E. 5th St., New York City
Dolle, August R. C.....	8593 98th St., Woodhaven, L. I.
Dupont, William Edwin.....	445 Grand Ave., Astoria, L. I.
Gaydos, George J.....	381 Troutman St., Brooklyn, N. Y.
Geerken, Herman.....	2957 Boulevard, Jersey City, N. J.
Hager, John P.....	402 Cortelyou Rd., Brooklyn, N. Y.



Irwin, Bryan	157 W. 103rd St., New York City
Joffe, Isaac	119 St. Marks Place, New York City
Kallen, Joseph R.	501 W. 178th St., New York City
Kearney, Thomas F.	1100 Lincoln Place, Brooklyn, N. Y.
Kraus, John	R. F. D. No. 2, Plainfield, N. J.
Langdon, James Robbins, Jr.	6470 Cooper Ave., Brooklyn, N. Y.
Lazar, Edward F.	4635 Bronx Blvd., N. Y.
Lepesqueur, Raymond A.	2463 Howland St., Astoria, L. I.
Levy, Arthur	206 W. 86th St., New York City
Lindgren, Howard A.	516 Devon St., Arlington, N. J.
Loewel, Maurice E.	1548 57th St., Brooklyn, N. Y.
Lofgren, Kenneth E.	529 River St., Hoboken, N. J.
Luffman, Chas. E.	10 Fourth St., S. Orange, N. J.
Meneghin, A. Julian	24 Althea St., Clifton, N. J.
Muller, Oscar H.	82 3rd St., Clifton, N. J.
Salit, Morris I.	109-11 Farmer Blvd., Hollis, L. I.
Sarka, August	4024 74th St., Jackson Hts., L. I.
Schneider, Charles	1898 Belmont Ave., Bronx, N. Y.
Winter, F. J.	132 45th St., Union City, N. J.

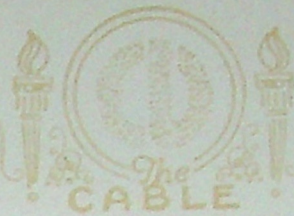
Section II

Anderson, William A.	214 Adelphi St., Brooklyn, N. Y.
Bateman, John F.	137 Central Ave., Orange, N. J.
Behm, Alfred O.	28 Bayside Ave., Whitestone, L. I.
Denmark, Robert	2118-A 74th St., Brooklyn, N. Y.
Herrle, Jacob N., Jr.	1928 51st St., Brooklyn, N. Y.
Jeune, M. J.	119 Christopher St., New York City
Lund, Hunter A.	2956 Bainbridge Ave., New York City
Michel, Joseph	1725 Davidson Ave., Bronx, N. Y.
Miller, Samuel	539 Willoughby Ave., Brooklyn, N. Y.
Pansini, Anthony	234 E. 14th St., New York City
Pappe, John B.	1722 Grove St., Brooklyn, N. Y.
Parodi, Victor	38 Macdougall St., New York City
Perine, Woodman	1063 E. 37th St., Brooklyn, N. Y.
Phelan, Edward	121 Tuers Ave., Jersey City, N. J.
Phillips, James W.	10333 103rd St., Richmond Hill, L. I.
Piano, Joseph John	433 20th St., West New York, N. J.
Popiske, Otto E.	39 Cypress Ave., Bogota, N. J.
Quinn, James J.	330 E. 120th St., New York City
Remington, Robert S.	139 Steuben St., E. Orange, N. J.
Rodemann, Alfred C.	5736 Mosholu Ave., Riverdale, New York City
Rogie, James M.	94 Park Place, Brooklyn, N. Y.
Rowley, Kenneth	237 West 105th St., New York City
Scacchetti, Attilio	251 Bergenline Ave., Union City, N. J.
Schusdeck, John M.	332 E. 77th St., New York City
Seitz, Fred J.	446 W. 50th St., New York City
Silvers, Walter L.	37 Riverside Drive, New York City
Slavin, Joseph J.	655 S. Broad St., Elizabeth, N. J.
Sparr, Anton E.	1830 2nd Ave., New York City
Stern, Curt Fred.	577 Isham St., New York City
Stolte, Fred.	1306 Chisholm St., New York City
Van Blerkom, Leopold	1319 Rosedale Ave., New York City
Weinberg, Harvey	9 Van Siclen Ave., Floral Park, L. I.
Whelan, Albert	531 W. 160th St., New York City
Wohlgemuth, Adolph	1151 E. 165th St., Bronx, N. Y.
Wurmser, Alphons	9 Haugue St., Union City, N. J.

ELECTRICAL ENGINEERING, 1932

Section I

Aird, Ross Fraser	68 7th Ave., New York City
Angermuller, Joseph O.	461 Onderdonk Ave., Brooklyn, N. Y.



Appleyard, Joseph F.	386 Broadway, Astoria, L. I.
Aspler, Sidney	727 Flushing Ave., Brooklyn, N. Y.
Balsam, Harry	570 S. Broadway, Yonkers, N. Y.
Belmonte, Richard J.	2661 Decatur Ave., Bronx, N. Y.
Belzer, Jac	15 Herzl St., Brooklyn, N. Y.
Bertero, George A.	74 E. 4th St., Brooklyn, N. Y.
Cobianchi, Thomas	150 Lewis St., Paterson, N. J.
Cohn, Maurice	774 Union Ave., New York City
Davis, Joseph	156 Governor St., Paterson, N. J.
Denliker, George G.	131 Carmita Ave., Rutherford, N. J.
DeSena, Pasquale F.	728 Lorimer St., Brooklyn, N. Y.
Detwiler, Aubrey W.	3 Berger St., Westwood, N. J.
Distefano, Emanuel	1795 Longfellow Ave., Bronx, N. Y.
Doba, Stephen	551 W. 149th St., New York City
Dooley, Denis J.	55 Franklin Ave., New Brighton, S. I.
Dorigo, Louis C.	734 County Ave., Secaucus, N. J.
Dorman, Fred.	725 11th Ave., New York City
Enoch, Jack	1453 2nd Ave., New York City
Farrelly, Leonard A.	328 Etna St., Brooklyn, N. Y.
Flumbach, John J.	726 Vernon Ave., Long Island City
Fox, Joseph E.	42 Second St., Fair Lawn, N. J.
Freericks, Lambert	660 East 221st St., New York City
Gaysinsky, Victor E.	2802 Olinville Ave., Bronx, N. Y.
Gillim, John	Cor. Essex and State Sts., Hackensack, N. J.
Glaser, Benjamin	19 E. 108th St., New York City
Greenberg, Julius	7119 19th Ave., Brooklyn, N. Y.
Gruner, Frederick R.	54 Ryerson Ave., Paterson, N. J.
Guavin, Eugene	191 Montrose Ave., Brooklyn, N. Y.
Hager, Franklin M.	402 Cortelyou Rd., Brooklyn, N. Y.
Kvande, Thor	7911 Colonial Road, Brooklyn, N. Y.
Perlstein, Harry	680 Howard Ave., Brooklyn, N. Y.
Schiffer, Samuel E.	367 E. 10th St., New York City
Zieses, Mayer	1080 Simpson St., Bronx, N. Y.

Section II

Anselmo, Jos.	349 E. 32nd St., New York City
Brown, James A.	2272 Andrews Ave., Bronx, N. Y.
Cooke, Harry W.	55 Hanson Place, Brooklyn, N. Y.
Goldman, Israel	166-76 Rockaway Parkway, Brooklyn, N. Y.
Hoecke, Paul D.	111-15 148th St., Jamaica, L. I.
Holmlin, H. Walter	218 91st St., Brooklyn, N. Y.
Kaaser, Frederick L.	49A Wilson St., Brooklyn, N. Y.
Kane, Arthur C.	3142 41st St., Astoria, L. I.
Karst, Ernest A.	155 Glenwood Ave., Jersey City, N. J.
Kelly, Malachy Joseph	401 E. 142nd St., New York City
Kluz, Walter C.	87 Yonkers Ave., Yonkers, N. Y.
Kuenzler, Edwin Adolph	725 Hillside Ave., Grantwood, N. J.
Kurlanshik, Paul	221 Penn St., Brooklyn, N. Y.
Lampkin, Redyers J.	285 W. 150th St., New York City
LaRose, William	220 Prospect Park W., Brooklyn, N. Y.
Laschiver, Hyman	832 Whitlock Ave., New York City
Latzoni, Samuel A.	459 River Drive, Garfield, N. J.
Levine, Nathan	410 S. 4th St., Brooklyn, N. Y.
Lewthwaite, Raymond B.	422 Rochelle Ave., Rochelle Park, N. J.
Leyden, Gerard	1230 76th St., Brooklyn, N. Y.
Loubriel, Frank I.	310 W. 116th St., New York City
Lundie, Ernest Seaver	4140 55th St., Woodside, L. I.
Marinelli, Leonidas D. O.	221 East 115th St., New York City
McDermott, Julian A.	219 E. 237th St., New York City
McEvoy, William	195 E. 100th St., New York City
Mescheloff, Isaac A.	651 E. 7th St., Brooklyn, N. Y.
Mesel, Solomon	190 Cator Ave., Jersey City, N. J.



Moritz, Palmer	Raritan Ave., E. Bound Brook, N. J.
Nicholides, Emmanuel	807 St. Anne Ave., New York City
Oswald, Lawrence R.	Summit Ave., New Milford, N. J.
Peavy, Robert L.	1140 Wodycrest Ave., Bronx, N. Y.
Penczer, Rudolph	R. F. D. No. 8, Shelton, Conn.
Pollock, Sam	706 Union Ave., New York City
Previti, Rosarios	569 Ninth Ave., New York City
Procida, Alfred V.	304 E. 24th St., New York City
Rafferty, Bernard John	27 Lexington Ave., Port Richmond, S. I.
Refuse, Guy Albert	301 W. 17th St., New York City
Whelan, Arthur H.	531 W. 160th St., New York City

Section III

Kieser, Silvio	533 Trinity Ave., Bronx, N. Y.
Kraker, Edward J.	253 Wyckoff Ave., Brooklyn, N. Y.
McTague, James	98 Elliott Place, Brooklyn, N. Y.
Rabenko, Leo	1181 Tinton Ave., Bronx, N. Y.
Raguse, Roy H.	151 Main St., Tottenville, S. I.
Reiter, David	155 Rockaway Parkway, Brooklyn, N. Y.
Richter, Fred. J.	352 W. 44th St., New York City
Roche, George F.	42 Herriot St., Yonkers, N. Y.
Roncoli, Edward	117 W. 11th St., New York City
Scalzo, Chas. C.	20 Stanton St., New York City
Schlang, Kurt	153 W. 75th St., New York City
Schoell, William	1247 Webster Ave., New York City
Schroeder, Leo G.	Admont Ave., Franklin Square, L. I.
Schulz, Herman	6817 Woodside Ave., Woodside, L. I.
Semels, Harry B.	111 W. 188th St., New York City
Sheridan, Harry J.	1229 Decatur St., Brooklyn, N. Y.
Sherman, William T.	854 70th St., Brooklyn, N. Y.
Sklar, Herman L.	975 E. 178th St., New York City
Smith, J. E.	4820 Bliss St., Woodside, L. I.
Spies, Eugene R.	63 Glendale Place, Port Chester, N. Y.
Stark, John	45 41st St., Corona, L. I.
Sterm, Philip A.	523 W. 187th St., New York City
Teichgraber, Erich	4212 Ditmars Ave., Astoria, L. I.
Tomacheck, Martin	886 Steinway Ave., Astoria, L. I.
Van Blerkan, Sulvan	1319 Rosedale Ave., New York City
Wagner, W. Wallace	227 Globe Ave., Jamaica, L. I.
Walsh, William J.	78 Degraw St., Brooklyn, N. Y.
Watukot, V. R.	32 Grand St., Brooklyn, N. Y.
Weinberg, Sidney	2025 85th St., Brooklyn, N. Y.
Weinstein, Joseph	278 Henry St., New York City
Weiss, Michael	134 Meserole St., Brooklyn, N. Y.
Wemsousky, Irving	137 Godwin Ave., Paterson, N. J.
Weston, Wesleys	32 Tremont St., Irvington, N. J.
Wille, Anton J.	571 E. 140th St., New York City
Windrum, Ralph	817 41st St., Brooklyn, N. Y.
Yacknowitz, Saul	1837 Clinton Ave., New York City
Zilg, Albert E.	324 E. 83rd St., New York City

CHEMICAL ENGINEERING, 1929

Adamo, Mathew E.	3220 Grand Ave., Astoria, L. I.
Bechtoldt, William	13960 86th Road, Jamaica, L. I.
Cramer, Charles	450 Quincy Ave., Bronx
DeHart, Harold G.	172 Ampere Parkway, Bloomfield, N. J.
Dreyer, Karl	50 Hanhurst Ave., Weehawken, N. J.
Handa, Shinzaburo	108 W. 1st St., Bayonne, N. J.
Holden, Milton M.	287 S. 7th St., Newark, N. J.
Jones, Paul H.	1475 Bergen St., Brooklyn, N. Y.



Koblish, Merle	37-22 77th St., Jackson Heights, L. I.
Lipiczky, Frank G.	75 Columbus Ave., Garfield, N. J.
Mackin, Paul	63 Hallack Ave., Ridgewood, L. I.
Nocifera, James V.	113 24th St., Gutenberg, N. J.
Pearlstein, Joseph	2449 84th St., Brooklyn, N. Y.
Strolle, Charles E.	18 First St., Weehawken, N. J.
Weinstein, Berthold	327 E. 100th St., New York City

CHEMICAL ENGINEERING, 1930

Albano, Vincent	510 18th St., Brooklyn, N. Y.
Atlas, David	1515 E. 5th St., Brooklyn, N. Y.
Cornell, Franklin M.	1120 42nd St., Brooklyn, N. Y.
DelValle, Alfredo F.	61 W. 114th St., New York City
Derr, Harry K.	9045 Elderts Lane, Woodhaven, L. I.
Drekter, Isaac	1157 Glenmore Ave., Brooklyn, N. Y.
Ehrhardt, Robert A.	19 Chestnut St., Rochelle, N. J.
Ewing, Philmon B.	176 W. 95th St., New York City
Gesing, G. W.	12907 89th St., Richmond Hill, L. I.
Hall, Albert	4112 48th St., Long Island City
Hamlin, Philip M.	157 Wood St., Rutherford, N. J.
Hintze, Henry	31 Tieman P., New York City
Irvine, William	10 Yelser Way, Hillsdale, N. J.
Juneman, Herbert C.	428 Palisade Ave., W. New York, N. J.
Kapelsohn, Leon	85 Miller Ave., Brooklyn, N. Y.
Kappler, A. C.	3 Lawrence Ave., Dumont, N. J.
Kienast, John F.	108 49th St., Union City, N. J.
Landau, Milton	145 Audubon Ave., New York City
Levinos, Steven	7 Old Town Road, S. Beach, S. I.
Lutzky, Albert	2940 Fulton St., Brooklyn, N. Y.
Mendizsa, August	75 Simonson Ave., Mariners Harbor, S. I.
Prista, Alexander R.	7 Claremont Ave., Jersey City, N. J.
Roeben, Fred. John	105 Charles St., New York City
Russo, Michael	709 6th St., Union City, N. J.
Shutkin, David	15 Rutgers Place, New York City
Sobel, Albert	1871 Park Place, Brooklyn, N. Y.
Strom, Frank I.	370 Union St., Brooklyn, N. Y.
Sundstrom, Fred O.	127 Union Ave., Mariners Harbor, S. I.
Wadlow, Harold V.	2333 Fifth St., Coytesville, N. J.
Schiff, Solomon	220 E. Broadway, New York City
Weir, John Sargeant	491 Clinton Ave., Newark, N. J.

CHEMICAL ENGINEERING, 1931

Bennett, John	114 E. 81st St., New York City
Bernasconi, Charles	64 E. 22nd St., Paterson, N. J.
Bittrich, Gustav	64 Vermilyea Ave., New York City
Bulos, Nathan	856 Willoughby Ave., Brooklyn, N. Y.
Cantor, George	1339 St. Johns Place, Brooklyn, N. Y.
Chiert, Sidney	6907 20th Ave., Brooklyn, N. Y.
Cohen, Jacob	222 Hopkins St., Brooklyn, N. Y.
Cooper, Morris	54 E. 109th St., New York City
DeViver, Cornelius A.	322 S. Columbus Ave., Mt. Vernon, N. Y.
Egan, William T.	105 Clifton Place, Jersey City, N. J.
Frankfort, Samuel	259 Albany Ave., Brooklyn, N. Y.
Goldberg, Julius	20 Rutgers Place, New York City
Hamm, William J.	54 Maple Ave., Rosebank, S. I.
Kuno, Stephen L.	256st and Fieldstone Road, N. Y.
Kunz, Raymond J. F.	911 19th St., Union City, N. J.



Linde, Henry C.	64 Garden St., Hoboken, N. J.
Lubin, A. Harry	55 Chauncey St., Brooklyn, N. Y.
Manning, James J.	969 St. Marks Ave., Brooklyn, N. Y.
Margolis, Morris	1675 Lincoln Place, Brooklyn, N. Y.
Matt, Wm. Joseph, Jr.	93 Hillside Ave., Nutley, N. J.
Newgreen, Karl A.	8823 69th Road, Forest Hills, N. Y.
Pulombo, Stephen	84 3rd St., Keyport, N. J.
Proude, Joseph J. A.	35 Shepherd Ave., Brooklyn, N. Y.
Schwarzwelder, Otto	510 E. 79th St., New York City
Schwiezer	222 E. 95th St., New York City
Segui, Salvador F.	4715 48th St., Woodside, L. I.
Sherman, Louis	524 Bristol St., Brooklyn, N. Y.
Slavik, Ferdinand Chas., Jr.	410 E. 75th St., New York City
Tierney, Joseph F.	241 E. 45th St., New York City
Tremper, Perry B.	400 Fort Washington Ave., New York City

CHEMICAL ENGINEERING, 1932

Section I

Arons, Joseph	1131 West Farms Road, New York City
Dohan, Jerome	2040 Hudson Blvd., Jersey City, N. J.
Drimer, David	2039 Mapes Ave., New York City
Duffy, Howard T.	7835 Lotus Ave., Glendale, L. I.
Fishbach, A. Leon	1173 44th St., Brooklyn, N. Y.
Hichy, Peter J.	1032 Garden St., Hoboken, N. J.
Hilbert, Alfred	18 Center St., Clifton, N. J.
Hirsch, Jacob	364 W. 120th St., New York City
James, Edward P.	8548 89th St., Woodhaven, N. Y.
Lancaster, W. A.	19 Jefferson Ave., Brooklyn, N. Y.
Lippman, Meyer I.	223 Vernon Ave., L. I. City
Lopez, Anthony	645 W. 171st St., New York City
Loyghlin, James E.	97 Brown Ave., Prospect Park, N. J.
Malkevitch, Aaron	212 E. 109th St., New York City
McGill, James Park	64 Decker Ave., Port Richmond, S. I.
Mindel, Charles	85 Hopkins St., Brooklyn, N. Y.
Mitchell, Irving	600 Teasdale Place, Bronx, N. Y.
Ladinich, George M.	565 Lawrence Ave., Bronx, N. Y.
Moses, William	348 Roebling St., Brooklyn, N. Y.
Mrowka, Joseph	294 Metropolitan Ave., Brooklyn, N. Y.
Nadler, Abraham	876 Park Ave., Brooklyn, N. Y.
Norman, Thomas Samuel	40 Jefferson St., Perth Amboy, N. J.
Palmer, Glenn Arthur	479 Senator St., Brooklyn, N. Y.
Pillartz, William	1040 Fox St., New York City
Previti, Marte	569 9th Ave., New York City
Armbrust, Ferdinand	3314 Woolsey Ave., Long Island City, N. Y.
Ballas, Joseph	125 Stanley Ave., Yonkers, N. Y.
Donn, Leon Bernard	1930 Harrison Ave., New York City
Kebrich, Leonard Martin	737 3rd Ave., New York City
Lipschuetz, M. N.	143-19 102nd Ave., Jamaica, Long Island, N. Y.
Mazel, A.	507 Logan St., Brooklyn, N. Y.
Schoen, Martin	1530 East 96th St., Brooklyn, N. Y.
Sutter, Charles	523 Fifteenth St., Union City, N. J.
Toscani, Vincent A.	318 East 47th St., New York City
Winograd, Aaron	1424 Longfellow Ave., New York City
Woods, Justus Edmund	191 E. 206th St., New York City

CHEMISTRY, 1929

Arnold, Sydney H.	Cubberly Place, Newdorp, S. I.
Axtell, Howard	Freeman St., Roseland, N. J.
Fischer, Edith H.	77 Rose St., Hastings on Hudson



Flaherty, James J.	404 Summer Ave., Newark, N. J.
Geraghty, Edward J.	421 Howard Ave., Brooklyn, N. Y.
Heiser, Thomas G.	3716 20th St., Jackson Hts., L. I.
Holtzman, Harry	106 Van Wagner Ave., Jersey City, N. J.
Laschiver, Conrad	832 Whitlock Ave., Bronx
Lockwood, George H.	219 Watsessing Ave., Bloomfield, N. J.
Miller, Fred, W.	70 Warwick St., E. Orange, N. J.
Minsky, Abraham	102 W. 92nd St., New York City

INSTITUTE OF TECHNOLOGY, 1928

Civil Engineering

Brown, Charles Daniel	146 First St., Wood Ridge, N. J.
Colvin, George Foster	184 Claremont Ave., New York City
Vanderhout, William	9466 224th St., Queens Village, L. I.

Electrical Engineering

Arnholts, Arendt J.	324 13th St., West New York, N. J.
Baldanza, Nicholas	134 Park Ave., Passaic, N. J.
Bogart, William	Kinderkamack Road, River Edge, N. J.
Caruso, Carmine	28 Nichols St., Newark, N. J.
Delanty, Loren J.	Spring Valley, N. Y.
Ginexi, George L.	14 Tulip St., Passaic, N. J.
Levine, David	321 Madison St., Passaic, N. J.
Liacos, Starros J.	479 E. 161st St., New York City
Meehan, John M., Jr.	270 West End Ave., New York City
Peters, Quentin I.	Spring Valley, N. Y.
Reynolds, Edgar T.	3649 Willet Ave., New York City
Tannenbaum, Meyer	1806 St. Johns Place, Brooklyn, N. Y.
Wood, Harvey W.	High St., Croton on Hudson, N. Y.

Mechanical Engineering

Albanese, Michael	31 Park Place, Passaic, N. J.
Angeloro, Aniello	3646 Holland Ave., New York City
Douglas, Peter	294 Broadway, Bayone, N. J.
Durfew, George I.	723 E. 234th St., New York City
Norris, Joseph A.	56 E. Kingbridge Road, N. Y.
Staver, Edward F.	118 23rd St., Jackson Heights, L. I.

Chemical Engineering

Berkowitz, Abraham	710 Fifth St., New York City
Ward, Hilda	871 7th Ave., New York City

INSTITUTE OF TECHNOLOGY, 1929

Civil Engineering

Bouquie, John G.	609 Dunellen Ave., Dunellen, N. J.
Fischer, Harold	2255 Creston Ave., Bronx, New York City
Gionti, Arthur, Jr.	218 Belmont Ave., Paterson, N. J.
Groenendyke, J. P.	34 Travers Pl., Lyndhurst, N. J.
Hutman, H. W.	400 Cornelia St., Brooklyn, N. Y.
Levinson, Henry	625 Greenwood Ave., Brooklyn, N. Y.
Lewin, Harold	53 Himrod St., Brooklyn, N. Y.
Lustig, Leo L.	334 East 6th St., Plainfield, N. J.
Schmidt, Eugene	208 Hamilton Blvd., South Plainfield, N. J.
Weiss, Alex	330 East 80th St., New York City

Electrical Engineering

Bivona, John F.	169 Sterling Pl., Brooklyn, N. Y.
Csak, William	203 Raymond Pl., West Brighton, Staten Is., N. Y.
DeVoe, Frank K.	23 Bank St., White Plains, N. Y.
DiFusco, Frank	144 President St., Brooklyn, N. Y.
Figiel, Walter J.	3056 Wilson Ave., Bronx, New York City
Fruhner, Ernest T.	4057 Park Ave., New York City
Harris, Herbert	R. F. D. No. 2, Westwood, N. J.
Henschel, Wilfred	1611 East 19th St., Brooklyn, N. Y.
Orovan, Herman E.	1626 East 3rd St., Brooklyn, N. Y.
Peters, Kenneth J.	2914 Madison Ave., Spring Valley, N. Y.
Ismail, Saim	600 West 192nd St., Apt. 42, New York City
Salma, Emanuel A.	347 East 92nd St., New York City
Schaub, Wallace R.	27 Grant St., Yonkers, N. Y.
Tallman, Howard F.	507 4th Ave., Westwood, N. J.

Mechanical Engineering

Haddad, Najeeb J.	384 Eldert Lane, Brooklyn, N. Y.
Hartman, Irving	601 West 149th St., New York City
Muller, Oke W.	673 East 176th St., New York City
Rudgers, Anthony J.	213 Berry St., Brooklyn, N. Y.
Stapfer, Rudolf D.	155 East 18th St., Paterson, N. J.
Wardwell, Geo. Wm., Jr.	11 Garner St., So. Norwalk, Conn.
Westergard, Caleb	West Golf Ave., Plainfield, N. J.

Chemical Engineering

Breslawsky, Edna L.	104 Lincoln St., Passaic, N. J.
Fuhrman, W. Howard T.	315 Woodland Ave., Ramsey, N. J.
Himelfarb, David	368 Dumont Ave., Brooklyn, N. Y.
Kebrich, Leonard	734 Third Ave., New York City
Lubkin, Abraham	1361 Ocean Parkway, Brooklyn, N. Y.
Mertens, Fred T.	66 Grove St., Passaic, N. J.
Powsner, Michael	2125 East 5th St., Brooklyn, N. Y.
Rockenbach, Ludwig P.	211 Beach 99th St., Rockaway Beach, N. Y.
Russel, Vere W.	70 Marion St., Lynbrook, N. Y.

INSTITUTE OF TECHNOLOGY, 1930

Section I

Brown, Thos., Jr.	63 Forest Ave., Hawthorne, N. J.
Critchley, Elwood T.	Park Ave., Allendale, N. J.
Forrester, Frank R.	21 Evelyn Place., Nutley, N. J.
Kirichdjian, Hrnt	331 62nd St., Brooklyn, N. Y.
Mehnert, Sidney E.	42 Forest Ave., West Englewood, N. J.
Pessman, Abraham	2125 East 5th St., Brooklyn, N. Y.
Potash, James A.	6322 10th Ave., Brooklyn, N. Y.
Reynolds, John	326 High St., Passaic, N. J.
Rozene, Bert B.	54 Butler Ave., Bridgeport, Conn.
Sauer, Harold A.	447 Wilde Ave., Linoleumville, Staten Is., N. Y.
Shorr, Louis	Monsey-Ladentown Road, Monsey, N. Y.
Shorter, Wm. E.	304 West 148th St., New York City
Sommer, Svend A.	180 Main St., New Rochelle, N. Y.
Walsh, James C.	5 Cambridge Place, Brooklyn, N. Y.
Woskoff, Philip	1116 54th St., Brooklyn, N. Y.

Section II

Abel, Jack	184 Norfolk St., New York
Alger, Blandforo	23 Wilson Place, Belleville, N. J.

Barron, Maurcie.....	73 Elmont Ave., Port Chester, N. Y.
Beck, John P.....	596 St. Ann's Ave., New York City
Benesh, Joseph A.....	30th St., Beechhurst, Long Is., N. Y.
Berg, Ernest.....	368 Ridgewood Ave., Eltingville, Staten Is., N. Y.
Borer, August J.....	20 North 4th St., Paterson, N. J.
Brosche, Martin.....	Tappan, New York
Burns, James A.....	15 Van de Venter Ave., Port Washington, N. Y.
Buzanowski, Anthony J.....	1216 First Ave., New York City
Carmody, Frank T.....	265 Woodlawn Ave., Jersey City, N. J.
Champlin, George.....	59 Underhill St., Tuckahoe, New York
Cnch, Richard A.....	R. F. D. Little Falls, N. J.
Fich, Sylvan.....	505 Walnut St., Dunellen, N. J.
Gray, Norman H.....	2440 Valentine Ave., New York City
Henschke, William.....	824 Capitol Ave., Bridgeport, Conn.
Hickey, James F.....	1068 East 2nd St., Brooklyn, N. Y.
Hinton, Charles L., Jr.....	74 Gard Ave., Bronxville, N. Y.
Hopp, Harold Philip.....	2112 Harrison Ave., New York
Hornow, William.....	210 East 53rd St., New York City
Inslerman, Hans.....	337 East 34th St., New York City
Lapinski, Eugene A.....	123 West 26th St., Bayonne, N. J.
McConaghy, James.....	3087 Decatur Ave., Bronx., N. Y.
Steinberg, Louis.....	121 East Houston St., New York City
Zeigler, Lewis W.....	268 Hempstead Ave., Rockville Center, N. Y.

Section III

Niles, Charles.....	87 Smith St., Freeport, N. Y.
Novarine, Victor.....	305 East 40th St., New York City
O'Donnell, James P.....	117-34 140th St., South Ozone Pk., Long Is., N. Y.
Paledes, Thomas P.....	405 West 48th St., New York City
Post, Arthur E., Jr.....	142 Hamilton Ave., Grant City, Staten Is., N. Y.
Powles, Frederick T.....	75 Elysian Ave., Nyack, N. Y.
Reuter, Herman H.....	72 Lincoln Ave., Clifton, N. J.
Romeo, Felice.....	126 Lafayette Ave., New Brighton, Staten Is., N. Y.
Rubinowitz, Leo.....	1548 Pitkin Ave., Brooklyn, N. Y.
Rudder, Irving A.....	2171 64th St., Brooklyn, N. Y.
Ruocco, P. Carmine.....	355 Gray St., Orange, N. J.
Sekely, Stephen.....	185 3rd St., Passaic, N. J.
Spinelli, Frank P., Jr.....	683 Polk St., West New York, N. J.
Stewart, Jay G.....	119 No. Main St., Freeport, N. Y.
Straub, Henry E.....	42 St. James Terrace, Yonkers, N. Y.
Stumpf, George H.....	1733 Garfield St., Bronx, N. Y.
Sullivan, Robert G.....	1652 72nd St., Brooklyn, N. Y.
Hiedemann, Wm. F.....	263 Wilson Ave., Brooklyn, N. Y.
Wemmerus, Wm. H.....	Knickerbocker Road, Closter, N. J.
Williams, Walter R.....	451 West 6th St., Plainfield, N. J.
Young, Frank.....	11-24 106th St., Ozone Pk., Long Island, N. Y.
Zimel, Harry.....	454 Hegeman Ave., Brooklyn, N. Y.
Zuckerman, Abraham.....	1960 67th St., Brooklyn, N. Y.

INSTITUTE OF TECHNOLOGY, 1931

Section I

Abrahamsen, G. A.....	218-35 4th Ave., Queens, N. Y.
Aresti, Fausto H.....	100 West 114th St., New York City
Arnold, Edward J.....	42 West Fordham Rd., New York City
Bahrenburg, Fred H.....	447 Broadway, Westwood, N. J.
Baronett, Jack A.....	105 14th St., Brooklyn, N. Y.
Baum, Troy B.....	3006 Decatur Ave., Bronx, New York
Behn, Victor.....	73 Hemlock St., Brooklyn, N. Y.
Berez, Henry.....	1820 Waterloo Place, New York City
Berlin, William J.....	1037 Hoe Ave., New York City



Bernstein, Stephen J.	523 16th St., College Point, N. Y.
Berrmeister, Herbert	Cypress Ave., Port Washington, Long Is., N. Y.
Clark, Howard S.	122 Van Houten Ave., Passaic, N. J.
Cohen, James	72 North Prince St., Flushing, N. Y.
Cohen, Philip H.	523 Saratoga Ave., Brooklyn, N. Y.
Cohen, Sam	1117 Gerard Ave., Bronx, New York
Cohen, Samuel	218-44 Hempstead Rd., Queens, New York
Davies, Robert B.	181 Sedgwick Ave., Yonkers, N. Y.
Davis, Allan	Box 262, Stony Brook, New York
De Postels, L. S. G. T.	51 Hamilton Place, New York City
Denerstein, Nathan	886 Kelly St., Bronx, New York
Dobrin, Lionel D.	39 Charles St., New York City
Epstein, Sam	Box No. 67, Stelton, N. J.
Forsyth, Russel K.	1012 Summit Ave., New York City
Laughlin, J. W.	108 Center St., Richmond, Staten Is., N. Y.
Thorp, John Anderson	54 Marion St., Nyack, N. Y.

Section II

Fabry, William C.	165 So. 9th St., Newark, N. J.
Finkelstein, Irwin	200 Bay 32nd St., Brooklyn, N. Y.
Gill, Milton L.	16 Ascension St., Passaic, N. J.
Golden, William	74 West 24th St., Bayonne, N. J.
Goldman, Reuban	4119 13th Ave., Brooklyn, N. Y.
Greenberg, Sidney	236 East 6th St., New York City
Greenhut, Arthur S.	1944 63rd St., Brooklyn, N. Y.
Grissler, Herman	652 Myrtle Ave., Brooklyn, N. Y.
Groves, Maurice W.	Grand Gorge, New York
Hannaford, Harry S.	210 Leland Ave., Plainfield, N. J.
Hergenhan, Charles E.	Valhalla, New York
Hoffman, Harold E.	697 Lafayette Ave., Hawthorne, N. J.
Jensen, Christian T.	419 Compton Ave., Perth Amboy, N. J.
Jucciarone, Nicholas T.	105 Prospect St., Port Richmond, Staten Is., N. Y.
Kaelman, Kaskel	701 West 175th St., New York City
Karathanasis, Nick	164 East 33rd St., New York City
Kauber, George A.	9012 215th St., Queens Village, Long Is., N. Y.
Kaune, Henry L., Jr.	107 Oliver Ave., Yonkers, N. Y.
Keller, Charles T.	57 Parsonage St., Cold Spring, N. Y.
Kenny, Joe M.	281 Fulton Ave., Jersey City, N. J.
Kenworthy, Arthur L.	1355 Putnam Ave., Brooklyn, N. Y.
Kessler, Harry	1270 Stebbens Ave., New York City
Langham, Milton L.	Park Ave. and West St., Mamaroneck, N. Y.
Sigman, Julius	63 Mamgin St., New York

Section III

Leon, Joseph	1067 Eastern Parkway, Brooklyn, N. Y.
Levine, Jacob	1829 Myrtle Ave., Ridgewood, Long Island, N. Y.
Lipschitz, Joseph	133 Ellery St., Brooklyn, N. Y.
Lustgarten, Max	183 Bay 22nd St., Brooklyn, N. Y.
Luttinger, Morris	250 West 112th St., New York City
Marquart, W. A.	136 Highland Ave., Jersey City, N. J.
Matzich, Max	10 Charles St., Jersey City, N. J.
Michaelis, Ernest	195 Beechwood Ave., New Brighton, Staten Is., N. Y.
Mickiewicz, Walter A.	308 East 18th St., New York City
Misbach, George E.	30 Smith St., Bloomfield, N. J.
Murphy, James J.	191 East 31st St., Brooklyn, N. Y.
Newcomb, Norman B.	Terrill Rd., Box No. 107, R. D. 1., Plainfield, N. J.
Milsson, Henry O.	161 Menahan St., Brooklyn, N. Y.
Osrin, Jack	1964 Bryant Ave., New York City
Ostuni, Peter	4310 Richardson Ave., New York City
O'Sullivan, George H.	325 East 163rd St., Bronx, New York
Panebianco, Jos.	340 91st St., Brooklyn, N. Y.
Peters, Willis D.	29 No. Madison Ave., Spring Valley, N. Y.



Prossin, John	65 Guild Road, Brockton, Mass.
Rabinovich, David	335 Pennsylvania Ave., Brooklyn, N. Y.
Rega, Michael	1948 52nd St., Brooklyn, N. Y.
Rudiger, Carl E.	1437 Van Alst Ave., Astoria, Long Island, N. Y.
Ryan, John	16914 Shelton Ave., Jamaica, N. Y.
Sakofsky, J.	621 West 189th St., New York City
Saltzman, Melvin	907 57th St., Brooklyn, N. Y.
Schoenfisch, Henry	289 Woodlawn Ave., Jersey City, N. J.
Williams, Paul	541 East 135th St., New York City

Section IV

Kastens, Robert H. C.	105 Hauxhurst Ave., Weehawken, N. J.
Keen, George R.	E. Allendale Ave., Allendale, N. J.
McCann, Harold T.	4678 Park Ave., Bronx, N. Y.
Movvello, Charles J.	303 East 46th St., New York City
Nothum, Jos. P.	536 Court St., Elizabeth, N. J.
Schaffer, Bernard	1091 Longfellow Ave., Bronx, N. Y.
Schempff, Robert H.	E. Center St., Midland, N. J.
Schilian, Esther	95 Pulaski St., Brooklyn, N. Y.
Schmidt, Arthur J.	209 Dongan St., West Brighton, Staten Is., N. Y.
Schweers, Charles J.	4146 57th St., Woodside, Long Island, N. Y.
Segersten, Charles L.	34 Second Ave., Nyack, N. Y.
Shepherd, Harry G.	Pompton Plains, N. J.
Sheridan, John R.	801 West End Ave., New York City
Smith, Kenneth A. H.	44 Boyden St., East Orange, N. J.
Smith, Kenneth Park	383 Hickory St., Teaneck, N. J.
Spezzano, Frank P.	2780 Grand Concourse, Bronx, New York
Stolzenbach, Charles J., Jr.	335 East 14th St., New York City
Tannenbaum, Sol.	H. T. P. O., New York City
Tonjes, Ernest	1325 56th St., Brooklyn, N. Y.
Townsend, Harry C.	Howells, N. Y.
Vopat, Wm. A.	495 Broadway, Long Island City, N. Y.
Ward, Frank X.	1295 Union Ave., New York
Weinrub, Joseph G.	849 Crotona Park, North Bronx, New York
Weintraub, Sigmund	567 East 26th St., Paterson, N. J.
Wickmann, Alfred W., Jr.	45 De Kalb Ave., White Plains, N. Y.
Wilson, John W.	220 90th St., Brooklyn, N. Y.
Wolins, Robert	452 East 170th St., New York City
Zemkoski, John F.	393 Wayne St., Jersey City, N. J.
Zitzman, Kenneth	80 Union Place, Ridgefield Park, N. J.

ARCHITECTURE, 1928

Abrahamsen, Alfred J.	92 Zabriskie St., Jersey City, N. J.
Beattie, Samuel	2654 Marion Ave., Bronx, N. Y.
Becker, L. C.	135 E. 238 St., New York City
Boege, H. F.	100-17 35th St., Corona, L. I.
Bronstein, Max	1533 Vyse Ave., Bronx, N. Y.
Byatt, Clemens H.	767 Park Ave., Union City, N. J.
Celuch, Joseph	86 2nd St., New York City
Christian, Gerherdus K.	9 Lincoln Ave., Rutherford, N. J.
Coebler, Erich A.	White House, Station, N. J.
Creighton, Arthur	428 E. 16th St., New York City
De Zeeuw, Jan	583 Morgan Ave., Brooklyn, N. Y.
Else, John	36 Vista Ave., Dongan Hills, S. I.
Fortuna, Louis T.	1505 Ave. A, New York City
Frankel, Isador	153 Bay 26th St., Brooklyn, N. Y.
Haberman, Nathan S.	2155 Grand Ave., Bronx, N. Y.
Hargreaves, Benjamin	W. Palisade Ave., Englewood, N. J.
Heil, Herbert E.	176 Grove St., Somerville, N. J.
Hendess, William H.	3590 Blvd., Jersey City, N. J.
Houck, Kenneth W.	Wesley Ave., Portchester, N. Y.

Kamford, John	Brooklyn Ave. and Woodfield Rd., Hempstead, N. J.
Kelsey, Edgar Y.	53 Wyandotte Ave., Dumont, N. J.
Kemp, Edward W. H.	153 Boiling Springs Ave., East Rutherford, N. J.
Keulemans, Pierre J.	6741 3d Ave., Brooklyn, N. Y.
Kingstoni, Philip K.	49 Birch St., Mt. Vernon, N. Y.
Klein, Kalman	259 Hart St., Brooklyn, N. Y.
Kraft, Hyman	73 2nd Ave., New York City
Krakow, Jacob W.	1760 Washington Ave., Bronx, N. Y.
Lukacs, William W.	423 Broadway, Long Island City
Martin, Arthur J.	7313 162nd St., Flushing, L. I.
McLaughlin, T. Gerald	338 Armstrong Ave., Jersey City
McNought, William A.	1192 Walton Ave., New York
Mendelson, Moses	91 Penn St., Brooklyn, N. Y.
Minch, Charles F.	952 First Ave., New York City
Moore, John J.	53-23 Skillman Ave., Woodside, L. I.
Nadelman, Elias	3212 200th St., Bayside, N. Y.
Nagler, Julius	495 E. 140th St., New York City
Napoli, Georges S.	237 27th St., Brooklyn, N. Y.
Pierce, George A.	365 Union St., Jersey City, N. J.
Phillips, Wm. C.	562 McDonough St., Brooklyn, N. Y.
Rappaport, Jacob	2599 Atlantic Ave., Brooklyn, N. Y.
Risavy, Charles F.	521 38th St., Union City, N. J.
Robertson, Howard F.	382 E. 8th St., Brooklyn, N. Y.
Scheil, Charles C.	19 Nelson Ave., Jersey City, N. J.
Simon, Percy S.	1329 Clinton Ave., Bronx, N. Y.
Singer, Julius	855 Faile St., Bronx, N. Y.
Sisk, Maurice	139 Glenwood Ave., Jersey City, N. Y.
Snyder, George	306 E. 92nd St., New York City
Steir, Frederick K.	146 Haseco Ave., Portchester, N. Y.
Tauss, Julius	1350 Fulton Ave., Bronx, N. Y.
Thiel, Arthur	438 Fulton St., Elizabeth, N. J.
Thomson, Douglas	27 Livingstone Ave., Lyndhurst, N. J.
Tiegel, Harry	1353 50th St., Brooklyn, N. Y.
Virano, Edward	171 E. 117th St., New York City

ARCHITECTURE, 1929

Aronson, Rudolph	725 Snediker Ave., Brooklyn, N. Y.
Bower, Richard	19 Glen Place, New Rochelle, N. Y.
Brooks, Leo	Fulton Ave., Bronx, New York
Buchbaum, Fred, Jr.	777 East 179th St., Bronx, New York
Camarapoulis, George	35-37 No. 170th St., Flushing, Long Island, N. Y.
Crosson, Eugene	357 Bergen Ave., Jersey City, N. J.
Cutler, J. H.	913 50th St., Brooklyn, N. Y.
Dawson, Robert	317 Prospect St., Westfield, New Jersey
Dearie, John	129 B. Park of Edgewater, Throggs Neck, Bronx, New York
DeTeresa, Salvador	40 Reynolds St., Rosebank, Staten Island, N. Y.
Duguid, Forbes E.	167 Linden Blvd., Brooklyn, N. Y.
Edelman, Louis	520 So. 16th St., Newark, N. J.
Eslinger, Charles	26 Sherman St., Passaic, N. J.
Fausak, Albert	104 Mercer St., Jersey City, N. J.
Fetcher, Charles	8625 108th St., Richmond Hill, N. Y.
Folcke, Charles	9 Hudson Place, Weehawken, N. J.
Frank, William J.	283 Onderdonk Ave., Brooklyn, N. Y.
Friedland, Irving	213 Rodney St., Brooklyn, N. Y.
Geibelt, Frederick J.	522 Liberty Ave., Jersey City, N. J.
Ginsburg, Nat	4332 Gunther Ave., Bronx, N. Y.
Goldsmith, Milton	872 East 162nd St., Bronx, N. Y.
Gotham, William	4619 Skillman Ave., Sunnyside, Long Island, N. Y.
Greenberg, Jack	1230 Ward Ave., Bronx, N. Y.
Grossman, Eugene	1107 Gerard Ave., Bronx, N. Y.
Grossman, Isidore S.	200 East 102nd St., New York City

Hatch, Waverly A.	335 East 236th St., Woodlawn, Bronx, New York
Helene, Sidney J.	2240 Amsterdam Ave., New York City
Hennig, Charles	30-18 43rd St., Long Island City, New York
Kiel, Joseph	490 South 17th St., Newark, N. J.
Kirmeyer, Hyman	1731 62nd St., Brooklyn, N. Y.
Kuczma, Andrew	278 Avenue B, New York City
Kuret, R. R.	40 Hylan Boulevard, Rosebank, Staten Island, N. Y.
Lange, Victor	425 East 153rd St., Bronx, New York
Leguori, Albert J.	931 Kent Ave., Brooklyn, N. Y.
Lenzi, William G.	211 West 10th St., New York City
LeRoy, Edwin D.	141 William St., East Orange, N. J.
Linker, Harry	1636 Washington Ave., Bronx, New York
Lischke, George R.	972 Morris Ave., Bronx, New York
Lum, Stanley C.	701 East Tremont Ave., Bronx, New York
McGibney, G. F. X.	2450 Creston Ave., Bronx, New York
Miles, Virgil	41 Orient Ave., Jersey City, N. J.
Miller, Arthur	171 Hewes St., Brooklyn, N. Y.
Monaco, Anthony	541 Union Ave., Bronx, New York
Muller, Frank A.	700 Clifton Ave., Clifton, N. J.
Newman, Louis	746 Jefferson Ave., Brooklyn, N. Y.
Pankuch, Joseph	629 Clarence Ave., Bronx, New York
Pappala-do, Salvatore	1927 Dean St., Brooklyn, N. Y.
Passel, Benjamin	1323 Intervale Ave., Bronx, New York
Poletto, Cesare	386 Academy St., Long Island City, N. Y.
Resnikoff, Max	147-16 Mitchel Ave., Flushing, Long Island, N. Y.
Robbins, Harry	2006 Benson Ave., Brooklyn, N. Y.
Scibienski, Joseph	431 Hall Ave., Perth Amboy, N. J.
Segall, Abraham	347 East 173rd St., New York City
Shapass, Murry	269 New Jersey Ave., Brooklyn, N. Y.
Slevin, Robert P.	5513 Seabury St., Elmhurst, Long Island, N. Y.
Smith, Albert	161 Elm St., Yonkers, New York
Stier, Arnold	172 Chestnut St., Garfield, N. J.
Sofo, Frank	1318 64th St., Brooklyn, N. Y.
Sulzburg, Abraham	600 East 141st St., Bronx, New York
Watson, William Hallam	Colonial Heights, Yonkers, N. Y.
Wiatrak, Bernard	201 East 103rd St., New York City
Williams, Harold	23 Robert St., Paterson, N. J.
Witchel, Irving	669 Ralph Ave., Brooklyn, N. Y.
Wuhrman, William	3743 89th St., Jackson Heights, Long Island, N. Y.

ARCHITECTURE, 1930

Alexander, Herbert	81 Sunswick, Long Island
Altschuler, Wm. H.	152 Parkside Ave., Brooklyn
Avella, Alexander A.	742 Whittier St., Bronx
Bahery, Wm. F.	349 W. First Ave., Roselle, N. J.
Bernstein, Abraham L.	192 W. 119th St., New York City
Bradbury, Matthew	170-18 Jamaica Ave., Jamaica, L. I.
Bricker, Julius	194 Brown Place, Bronx
Conzani, Michael	193 Essex St., Brooklyn, N. Y.
Di Marco, Nicholas	7317 13th Ave., Brooklyn, N. Y.
Dolgos, Michael	2245 48th St., Long Island City
Egan, Harold W.	926 Teller Ave., Bronx
Epstein, Milton L.	1836 Belmont St., Bronx
Galbraith, Wm.	219 E. 196th St., Bronx
George, Fred. A.	5052 Bliss St., Woodside, L. I.
Gerson, Jack J.	1767 Fulton Ave., New York City
Goldman, Harold M.	732 South 12th St., Newark, N. J.
Gornick, Julius	956 E. 172nd St., Bronx
Groht, George A.	281 Stuyvent Ave., Brooklyn
Halpern, Charles S.	72 S. 4th Ave., Brooklyn
Herre, Olaf P.	1044 73rd St., Brooklyn
Hnatt, Wm. J.	300 Neville St., Perth Amboy, N. J.

Hradecky, Rudolf	430 E. 71st St., New York City
Izzo, Nicholas V.	40 Van Sicklen Ave., Brooklyn
Johnson, Evert J. S.	4444 Hill Ave., Bronx
Johnson, Joseph J.	8418 12th Ave., Brooklyn
Jurgensen, Charles E.	1007 Willow Ave., Hoboken, N. J.
Kaplan, Sam	1702 Fulton St., Brooklyn
Keulemans, Gustav M.	6231 Anna Place, Glendale, L. I.
Klein, Stanley H.	1576 E. 17th St., Brooklyn
Klev, John R.	2123 Hermany Ave., Brooklyn
Krivacsy, John G.	9232 176th St., Jamaica, L. I.
Kuskin, Samuel	44 Watson Ave., Newark, N. J.
Le Beuf, Lloyd E.	8 Harvard Court, Brighton Beach, N. Y.
Leibowitz, Harry	278 E. Hinsdale St., Brooklyn
Levitt, Herman	217 E. 182nd St., Bronx
Lomax, Wm., Jr.	33 Stevens St., Astoria, L. I.
Luciano, Joseph	42 Montrose Ave., Brooklyn
Mac Kay, Wm. C.	176 Garfield Ave., Jersey City, N. J.
MacPherson, Calvin W.	1185 Blvd., Bayonne, N. J.
Martin, Edmund P.	430 Sterling Place, Brooklyn
McGimpsey, Alexander F.	1305 Beaumont Ave., West Englewood, N. J.
Mennonna, Nicholas A.	1061 Pocantico St., North Tarrytown, N. Y.
Meretzky, Thomas H.	82 Elliott Ave., Yonkers, N. Y.
Milford, Eugene M.	919 Trinity Ave., Bronx
Mueller, Arthur G.	366 Wood Ridge, Woodridge, N. J.
Nicol, Rex E.	2048 Nostrand Ave., Brooklyn
Pannaman, Morton A.	2038 59th St., Brooklyn
Pettet, Iralena Miss	Thordale, Texas
Pollack, John	62 41st St., Corona, L. I.
Pullman, Irving T.	1815 Sterling Place, Brooklyn
Raineri, Sylvan J.	2912 Cruger Ave., Bronx
Rameizl, Edward A.	307 E. 73rd St., New York City
Reuss, Wm. P.	130 High Point Ave., Weehawken, N. J.
Richter, Ludwig	413 25th St., Union City, N. J.
Risch, Harold W.	430 E. 72nd St., New York City
Rosenzweig, Richard W.	1384 Boston Road, Bronx
Saxton S. Raymond	337 State St., Brooklyn
Schwenk, Joseph	790 Columbus Ave., New York City
Simmons, Alvin J.	27-43 Crescent St., Astoria, L. I.
Simmons, George S.	27-43 Crescent St., Astoria, L. I.
Skousen, Otto J.	72 W. 85th St., New York City
Sochurek, Theodore J.	533 E. 82nd St., New York City
Solotoroff, Samuel, Jr.	672 Westchester Ave., Bronx
Spengler, Paul E.	451 New York Ave., Union City, N. J.
Streeter, Melvin C.	Cedar Rd., River Edge, N. J.
Swerdlove, Joseph J.	1650 78th St., Brooklyn
Tempkins, Harold	2136 61st St., Brooklyn
Thoden, John Henry	367 W. 6th St., Roselle, N. J.
Thompson, Wilfred J.	1519 Benson St., New York City
Venezia, Sabino J.	505 Jefferson St., Hoboken, N. J.
Vera, Raymond	220 West 114th St., New York City
Watnich, Reuben	162 Chester St., Brooklyn
Weiner, Phillip E.	45 Harrison St., Brooklyn
Williams, U. S.	932 Carroll St., Brooklyn
Wolff, Harold	797 Jennings St., Bronx
Wontila, John	1321 Inwood Ave., Bronx

ARCHITECTURE, 1931

Adams, Wm. F.	1565 White Plains Rd., White Plains, N. Y.
Altman, I.	225 E. 110th St., New York City
Arciere, M. A.	108-49 42nd Ave., Corona, L. I.
Arlotta, E. E.	64 MacDougal St., New York City
Bailyn, B.	450 Bergenline Ave., West New York, N. J.

Balcumes, B.	138 23rd St., Brooklyn, N. Y.
Barnes, L.	79 Washington St., New York City
Barnett, S.	957 Whitlock Ave., Bronx, N. Y.
Beierlein, G. E.	4152 49th St., Sunnyside, L. I.
Bell, D. R.	781 Eastern Parkway, Brooklyn, N. Y.
Bertolamy, B. J.	2140 E. 5th St., Brooklyn, N. Y.
Betrock, N.	918 Dumont Ave., Brooklyn, N. Y.
Bieckelhaupt, J. E.	3526 63rd St., Woodside, L. I.
Blafeux, B.	1148 47th St., Brooklyn, N. Y.
Bleich, N. E.	45 Locust Hill Ave., Yonkers, N. Y.
Boate, E. R.	2116 Bay Ave., Brooklyn, N. Y.
Boerum, Wm. H.	3716 Roubouts Ave., Bronx, N. Y.
Bruder, P. W.	228 Schaeffer St., Brooklyn, N. Y.
Castronuovo, J. H.	668 23rd St., North Bergen, N. J.
Cheikes, H.	631 Hendrix St., Brooklyn, N. Y.
Clark, J. E.	Croton-on-Hudson, N. Y.
Cloonan, J. J.	970 First Ave., New York City
Cohen, D.	85 Taylor St., Brooklyn, N. Y.
Dalis, J.	865 E. 181st St., New York City
Davis, A. J.	225 E. 96th St., New York City
Dellavalle, C. T.	1582 Richmond Ave., Port Richmond, S. I.
Duke, L.	180 Maple St., Brooklyn, N. Y.
Edelman, S.	2124 74th St., Brooklyn, N. Y.
Empey, J.	Box 444, Larchmont, N. Y.
Faiella, A.	67 Mt. Hope Pl., Bronx, N. Y.
Fellgraff, L.	72 Grand Ave., Brooklyn, N. Y.
Festa, L. L.	1434 31st Drive, Corona, L. I.
Flaumenbaum, S.	743 Snediker Ave., Brooklyn, N. Y.
Flecker, A.	1736 W. 13th St., Brooklyn, N. Y.
Geyer, W.	21 Grove St., Hicksville, L. I.
Ghiozzi, J.	563 Central Ave., Jersey City, N. J.
Giaculli, S.	2074 Maple Ave., Bronx, N. Y.
Giudice, D. L.	64 Oliver St., New York City
Glicksman, J. M.	1158 E. 8th St., Brooklyn, N. Y.
Gottreich, E.	166 Ave. C, New York City
Greco, S.	80 Monroe St., New York City
Haback, H.	1530 Minford Pl., Bronx, N. Y.
Heinlein, J. J.	166 Bleeker St., Brooklyn, N. Y.
Hipschman, C.	2178 6th Ave., Astoria, L. I.
Holland, S. E.	518 Crown St., Brooklyn, N. Y.
Horn, H.	941 Washington Ave., Bronx, N. Y.
Innes, W.	Lefurgy Ave., Dobbs Ferry
Johnson, S. A.	3434 12th Ave., Astoria, L. I.
Johnson, S. E. H.	497 N. Fullen Ave., Mt. Vernon, N. Y.
Katz, G.	306 E. Houston St., New York City
Kieltyka, A.	129 Yonkers Ave., Yonkers, N. Y.
Kish, L.	318 W. 57th St., New York City
Klingebiel, F.	625 Vanduser St., Stapleton, S. I.
Konrad, G.	2066 Anthony Ave., Bronx, N. Y.
Kozma, A.	45 Thayer St., New York City
Lange, H.	406 Monroe St., Hoboken, N. J.
Leavy, E. J.	974 First Ave., New York City
Lenes, B.	2855 W. 5th St., Brooklyn, N. Y.
Levitt, E. J.	601 W. 172nd St., New York City
Loper, N.	393 Watchung Ave., North Plainfield, N. J.
Lorton, R.	308 W. 145th St., New York City
Lush, C. E.	312 Madison Ave., Dunellen, N. J.
Lynch, Wm. T.	2213 Belmont Ave., New York City
Maccarone, C.	6915 16th Ave., Brooklyn, N. Y.
Malmquist, H.	433 74th St., Brooklyn, N. Y.
Marks, Wm. F.	Paterson, N. J.
Mazo, J.	841 Freeman St., Bronx, N. Y.
Mirowitz, J. H.	132 S. First St., Brooklyn, N. Y.
Mower, J.	Tuckahoe, N. Y.
Munch, H.	45 Crescent Pl., Yonkers, N. Y.

Nehls, F. R.	366 Lenox Rd., Brooklyn, N. Y.
Nemeth, G.	2311 99th St., E. Elmhurst, L. I.
Nordseick, Wm. A.	4029 102nd St., Corona, L. I.
Padilla, J. A.	53 Lenox Ave., New York City
Piazza, L.	381 Lafayette Ave., Passaic, N. J.
Perler, H. S.	789 Bathgate Ave., Bronx, N. Y.
Pollack, H.	7119 18th Ave., Brooklyn, N. Y.
Primost, J. A.	197 Vernon Ave., Brooklyn, N. Y.
Puleo, C.	35 Suydam St., Brooklyn, N. Y.
Raimondi, L.	411 19th St., Union City, N. J.
Rapkin, S. H.	1165 Fulton Ave., Bronx, N. Y.
Reitman, H. E.	631 E. 138th St., New York City
Renaghan, J.	231 E. 100th St., New York City
Reynard, K. W.	35 W. 87th St., New York City
Rigolo, A.	100 Piaget Ave., Clifton, N. J.
Roberts, J. K.	1480 Bedford Ave., Brooklyn, N. Y.
Robertson, E.	117 Mercer St., Jersey City, N. J.
Robinson, S.	175 Avenue S., Brooklyn, N. Y.
Rosch, G. E.	32-34 30th St., Long Island City
Rosenberg, E. M.	270 Riverside Drive, New York City
Rotundo, Wm. J.	1001 38th St., Brooklyn, N. Y.
Rubenstein, F. O.	1155 Gerard Ave., Bronx, N. Y.
Rubin, R.	233 E. 21st St., New York City
Rusie, Wm. F.	135 49th St., Corona, L. I.
Rytsis, S.	1149 47th St., Brooklyn, N. Y.
Sabean, H.	310 W. 99th St., New York City
Satto, B.	114 Havemeyer St., Astoria, L. I.
Savino, J. R.	2378 Hallett St., Astoria, L. I.
Schmidt, G. L.	39 Manhattan Ave., Jersey City, N. J.
Schonbrun, A. N.	5122 13th Ave., Brooklyn, N. Y.
Schroeder, E. H.	11 Hillcrest Ave., Larchmont, N. Y.
Schwartzberg, J.	539 Graham Ave., Brooklyn, N. Y.
Shaller, A. T.	3416 43rd St., Astoria, L. I.
Shulsinger, S.	1910 Mermaid Ave., Brooklyn, N. Y.
Silverman, L.	1605 Avenue V, Brooklyn, N. Y.
Skolnick, A.	536 Hinsdale St., Brooklyn, N. Y.
Smolin, G. J.	94 Lewis St., New York City
Solomon, J.	32 Hinsdale St., Brooklyn, N. Y.
Stolz, E. J.	605 Kimball Ave., Yonkers, N. Y.
Suckow, T.	546 Broadway, Paterson, N. J.
Svoboda, B. J.	7420 46th Ave., Elmhurst, L. I.
Taylor, Wm.	553 13th St., West New York, N. J.
Trudel, L. L.	225 Morningstar Rd., Port Richmond, S. I.
Turner, C.	124 E. 114th St., New York City
Vail, E.	1244 Park Ave., Plainfield, N. J.
Verderber, H. J.	131-01 Keystone St., Richmond Hill, N. Y.
Wigget, E. J.	Mt. Vernon Y. M. C. A., Mt. Vernon, N. Y.
Winzerling, A. W.	112-44 New York Blvd., Jamaica, L. I.

Architectural Orders, 1931

Romney, Hugo N.	15 Erie Pl., Nutley, N. J.
Stevens, Wesley P.	R. F. D. No. 1, Paterson, N. J.
Thomson, Miss Miriam	154 E. 61st St., New York City
Van Duinan, Cornelius	248 Page Ave., Lyndhurst, N. J.

Architectural Orders, 1930

Glaser, Peter H.	10759 126th St., Richmond Hill, L. I.
Hendricksen, Hans N.	412 Broad St., Sewaren, N. J.
Petrick, Miss Isabella	518 W. 85th St., New York City
Short, Christopher H.	121-06 114th Ave., Richmond Hill, L. I.

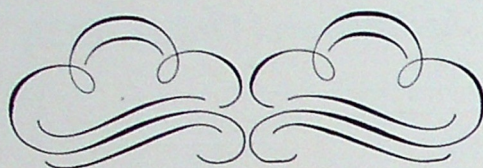
Architectural Orders, 1929

Davis, Henry.....	590 W. 187th St., New York City
Suarez, Raymond.....	620 Gravesend Ave., Brooklyn, N. Y.
Wise, Frank J.....	3319 E. Tremont Ave., Bronx, N. Y.

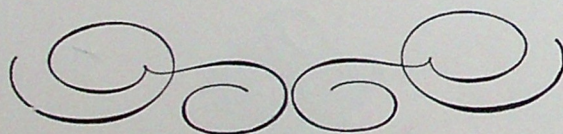
Architectural Orders, 1928

Morgan, John S., Jr.....	2255 Gleason St., Bronx, N. Y.
Rosenblatt, Louis.....	24 St. Marks Pl., New York City
Strothkamp, Henry.....	75 Bradford St., Harrison, N. Y.





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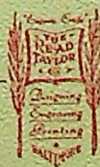
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